

TABLE OF CONTENTS

3 Letter from Vice President for Research and Innovation Vassilis Syrmos

| Prop | osals & Awards | |
|------|----------------|---|
| 5 | Chart 1 | Awards by Sponsor FY 2014 |
| 6 | Figure 1 | Contract and Grant Awards by Sponsor Summary FY 2014 |
| 7 | Chart 2 | Federal and Non-Federal Awards % of Total Awards FY 2010 - 2014 |
| 7 | Figure 2 | Federal and Non-Federal Award Summary FY 2010 - 2014 |
| 8 | Chart 3a | Non-Federal Awards by Fiscal Year FY 2010 - 2014 |
| 9 | Chart 3b | Federal Awards by Fiscal Year FY 2010 - 2014 |
| 10 | Figure 3 | Contract and Grant Award Summary FY 2010 - 2014 |
| 11 | Chart 4 | ARRA Awards by Sponsor Type FY 2010 - 2014 |
| 12 | Figure 4 | ARRA Award Summary FY 2010 - 2014 |
| 13 | Chart 5 | Contract and Grant Proposals Submitted FY 2013 - 2014 |
| 14 | Figure 5 | Contract and Grant Proposal Summary FY 2013 - 2014 |
| 15 | Chart 6 | Total Contract and Grant Awards FY 2001 - 2014 |
| 15 | Figure 6 | Total Contract and Grant Award Summary FY 2001 - 2014 |
| 16 | Figure 7 | Top Individual Awards in FY 2014 |
| 17 | Figure 8 | Top 50 PIs for FY 2014 |
| 18 | Chart 7 | Contract and Grant Awards by Campus FY 2014 |
| 19 | Chart 8 | Contract and Grant Awards for UH Manoa FY 2014 |
| 20 | Chart 9 | Contract and Grant Awards for UH Hilo FY 2014 |
| 21 | Figure 9 | Contract and Grant Awards Summary by Campus/College/Department FY 2014 |
| Expe | nditures | |
| 32 | Chart 10 | Total Expenditures from Contracts and Grants by Source of Funds FY 2013 - 2014 |
| 33 | Figure 10 | Total Expenditures from Contracts and Grants by Source of Funds FY 2013 - 2014 |
| 34 | Chart 10A | Total ARRA Expenditures by Year and Source of Funds FY 2010 - 2014 |
| 35 | Figure 10A | Total ARRA Expenditures by Year and Source of Funds FY 2010 - 2014 |
| 36 | Chart 11 | Total Expenditures from Contracts and Grants by Type of Program and Source of Funds for FY 2014 |
| 37 | Figure 11 | Total Expenditures from Contracts and Grants by Type of Program and Source of Funds for FY 2014 |
| 38 | Chart 12 | Total FTE Paid from Contracts and Grants for FY 2013 - 2014 |
| 39 | Figure 12 | Total FTE Paid from Contracts and Grants for FY 2013 - 2014 |
| 40 | Chart 13 | Breakdown of Facilities and Administrative Cost by Major Category FY ending June 30, 2011 |
| 41 | Chart 14 | Total Royalties received from University Patents from Fiscal Year 2010 - 2014 |
| 42 | Figure 14 | Total Royalties received from University Patents from Fiscal Year 2010 - 2014 |
| Appe | endices | |
| 43 | Appendix 1 | Source of Awards |
| | | |

October 3, 2014

Dear Colleagues:

This has been a very difficult year, not only for our University of Hawai`i research enterprise, but for everyone across the nation. Funding profile uncertainties with our agencies, sequestration, budget cuts and the realignment of R&D funding priorities have made for a very challenging FY2014. Given this existing landscape, the Office of the Vice President for Research and Innovation initially projected a seven to ten percent reduction in extramural award funding.

However, due to the dedicated efforts of our talented research faculty and support staff, I am pleased to report that UH's FY2014 Extramural Awards closed at \$392M, which represents only a four percent reduction from \$409M in FY2013.

Although research funding will continue to remain a challenge for the University in the years to come, we began FY2015 in spectacular fashion with a \$40 million award from the Simons Foundation to our world-renowned microbial oceanographers Edward DeLong and David Karl of the School of Ocean and Earth Science and Technology (SOEST). It is the largest private foundation gift UH has received and will assist both researchers to lead the Simons Collaboration on Ocean Processes and Ecology (SCOPE), one of the Simons Foundation's core programs to advance basic research in life sciences.

In September 2014, UH launched its first proof of concept center, called XLR8UH, to set the infrastructure, manage existing resources and to create new opportunities to help the successful commercialization of UH research and promote a vibrant entrepreneurial ecosystem throughout our 10-campus system. With XLR8UH and other future initiatives, UH is looking to position its research enterprise to help diversify the state's economy. These efforts are part of the Hawai'i Innovation Initiative, a proactive and aggressive partnership between UH, the private sector and government to create a third economic driver for the state.

To complement our existing cutting edge research facilities like the Daniel K. Inouye Center for Microbial Oceanography: Research & Education, Institute for Biogenesis Research and the John A. Burns School of Medicine, new facilities like the Daniel K. Inouye College of Pharmacy at the University of Hawai`i at Hilo and the Daniel K. Inouye Solar Telescope on Haleakalā, will soon be online to provide UH researchers with the additional tools to conduct competitive and innovative research in science and technology. Once established, data visualization expert Jason Leigh's Laboratory for

Advanced Visualization and Applications (LAVA) will conduct research, develop and commercialize visual analysis technologies and train current and future generations of students and faculty in the skill of big data visualization. Utilizing his Computer Assisted Virtual Environment (CAVE2) technologies, UH researchers will be able to take analysis of their data and collaboration amongst their peers to levels greater than ever imagined.

I greatly appreciate your steadfast support as we continue to work together during these tough economic times to keep UH research at the forefront of educating our students, improving our economy and to making our world a better place. I would like to thank each and every one of you for making the UH research enterprise a large part of your DNA.

Sincerely,

Vassilis L. Syrmos
Vice President for Research and Innovation

Chart 1

Awards by Sponsor - 2014 Award Amount in Millions

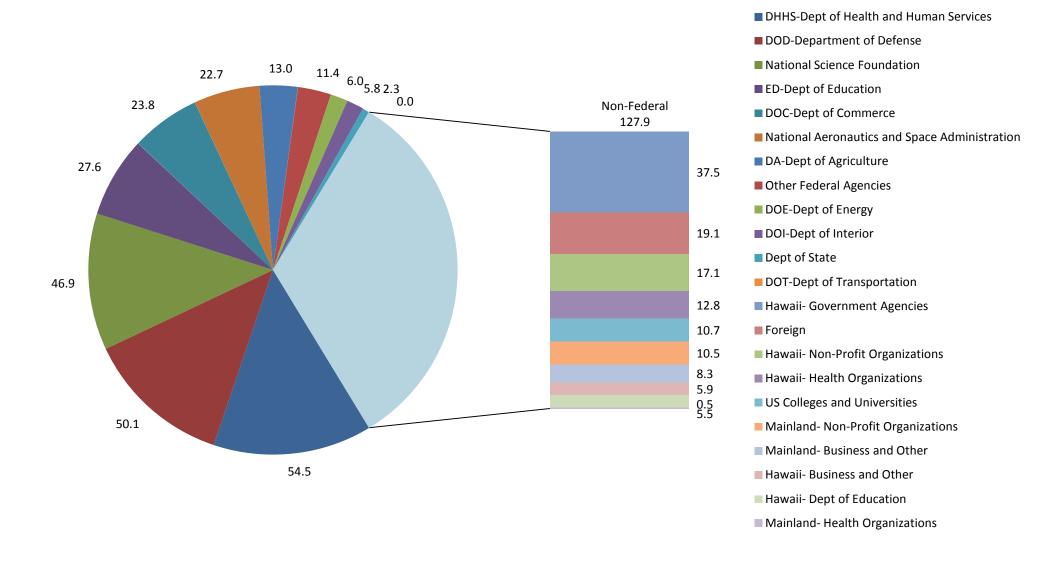


Figure 1: Contract and Grant Awards by Sponsor Summary - 2014

| Sponsor Type | Amount Awarded | Award Count |
|---|----------------|-------------|
| DHHS-Dept of Health and Human Services | 54,540,150 | 112 |
| DOD-Department of Defense | 50,125,047 | 92 |
| National Science Foundation | 46,939,627 | 142 |
| ED-Dept of Education | 27,645,649 | 66 |
| DOC-Dept of Commerce | 23,781,052 | 80 |
| National Aeronautics and Space Administration | 22,702,185 | 102 |
| DA-Dept of Agriculture | 13,040,882 | 63 |
| Other Federal Agencies | 11,403,852 | 22 |
| DOE-Dept of Energy | 6,008,761 | 18 |
| DOI-Dept of Interior | 5,847,479 | 78 |
| Dept of State | 2,335,534 | 4 |
| DOT-Dept of Transportation | 10,000 | 2 |
| Hawaii- Government Agencies | 37,455,983 | 282 |
| Foreign | 19,089,519 | 61 |
| Hawaii- Non-Profit Organizations | 17,105,305 | 218 |
| Hawaii- Health Organizations | 12,781,158 | 53 |
| US Colleges and Universities | 10,721,860 | 130 |
| Mainland- Non-Profit Organizations | 10,512,867 | 83 |
| Mainland- Business and Other | 8,310,778 | 89 |
| Hawaii- Business and Other | 5,931,549 | 50 |
| Hawaii- Dept of Education | 5,519,860 | 13 |
| Mainland- Health Organizations | 505,858 | 14 |
| Grand Total | 392,314,955 | 1,774 |

Federal and Non-Federal Awards, % of Total Awarded FY 2010 - FY 2014

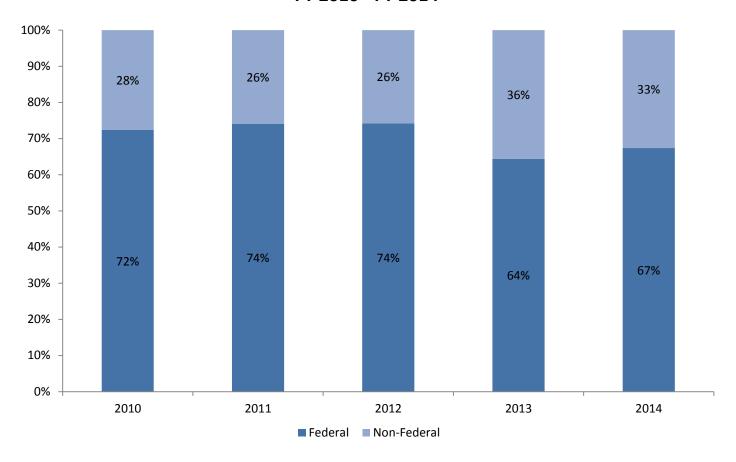
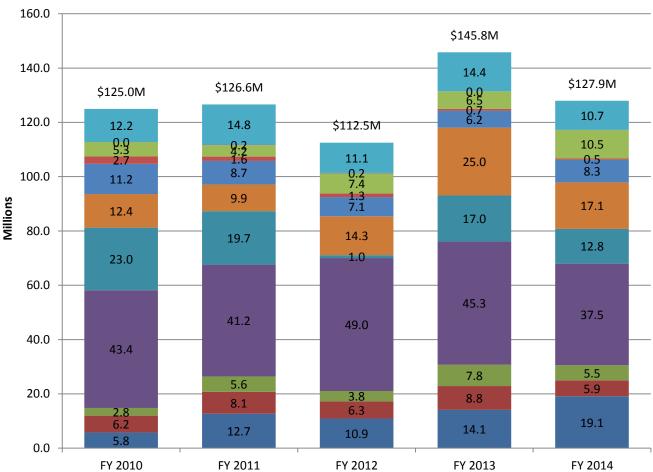


Figure 2: Federal and Non-Federal Award Summary

| | FY 2010 | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|-------------|-------------|-------------|-------------|-------------|-------------|
| Source of | Amount | Amount | Amount | Amount | Amount |
| Funding | Awarded | Awarded | Awarded | Awarded | Awarded |
| Federal | 327,429,187 | 362,003,028 | 323,353,886 | 263,980,647 | 264,380,218 |
| Non-Federal | 124,979,482 | 126,594,880 | 112,521,081 | 145,802,671 | 127,934,737 |
| Total | 452,408,669 | 488,597,908 | 435,874,967 | 409,783,318 | 392,314,955 |

Non-Federal Awards by Fiscal Year, in Millions





Federal Awards by Fiscal Year, in Millions



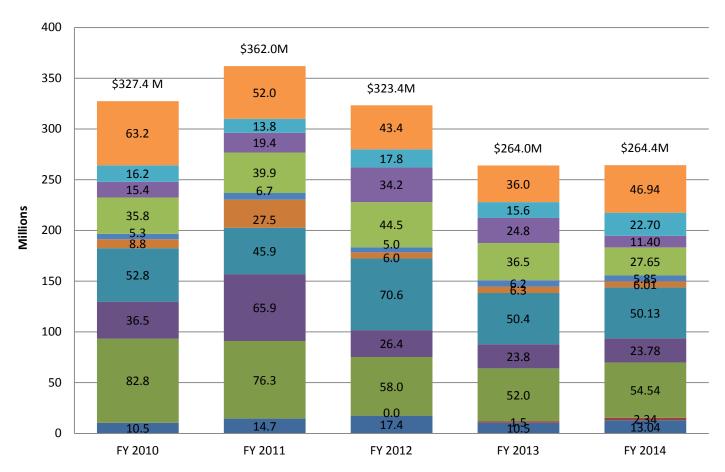


Chart 3b

Figure 3

Figure 3: Grant and Contract Awards Received from External Sources Fiscal Year 2010 - 2014

| | | FY2010 |) | FY201 | 1 | FY201: | 2 | FY201 | 3 | FY2014 | 4 |
|---------------|---|-------------|------------|-------------|------------|-------------|------------|-------------|------------|---------------|------------|
| | | Amount | % of Total | Amount | % of Total |
| Source of Fun | - 3 | Awarded | | Awarded | | Awarded | | Awarded | | Awarded | |
| Federal | DA-Dept of Agriculture | 10,515,951 | 2% | 14,657,133 | 3% | 17,375,514 | 4% | 10,544,569 | 3% | 13,040,882.00 | 3% |
| | Dept of State | - | 0% | - | 0% | 9,250 | 0% | 1,546,397 | 0% | 2,335,534.00 | 1% |
| | DHHS-Dept of Health and Human Services | 82,802,514 | 18% | 76,339,402 | 16% | 57,981,206 | 13% | 51,969,432 | 13% | 54,540,150.00 | 14% |
| | DOC-Dept of Commerce | 36,506,084 | 8% | 65,901,781 | 13% | 26,416,153 | 6% | 23,827,535 | 6% | 23,781,052.00 | 6% |
| | DOD-Department of Defense | 52,765,277 | 12% | 45,851,344 | 9% | 70,630,629 | 16% | 50,425,587 | 12% | 50,125,047.00 | 13% |
| | DOE-Dept of Energy | 8,831,297 | 2% | 27,496,587 | 6% | 6,048,107 | 1% | 6,309,014 | 2% | 6,008,761.00 | 2% |
| | DOI-Dept of Interior | 5,253,295 | 1% | 6,657,346 | 1% | 5,006,845 | 1% | 6,210,569 | 2% | 5,847,479.00 | 1% |
| | DOT-Dept of Transportation | - | 0% | - | 0% | - | 0% | 124,784 | 0% | 10,000.00 | 0% |
| | ED-Dept of Education | 35,825,851 | 8% | 39,920,590 | 8% | 44,500,282 | 10% | 36,529,862 | 9% | 27,645,649.00 | 7% |
| | Other Federal Agencies | 15,439,014 | 3% | 19,402,958 | 4% | 34,204,355 | 8% | 24,829,955 | 6% | 11,403,852.00 | 3% |
| | National Aeronautics and Space Administration | 16,243,068 | 4% | 13,768,492 | 3% | 17,757,775 | 4% | 15,615,148 | 4% | 22,702,185.00 | 6% |
| | National Science Foundation | 63,246,836 | 14% | 52,007,395 | 11% | 43,423,770 | 10% | 36,047,795 | 9% | 46,939,627.00 | 12% |
| | Subtotal | 327,429,187 | 72% | 362,003,028 | 74% | 323,353,886 | 74% | 263,980,647 | 64% | 264,380,218 | 67% |
| | | | | | | | | | | | |
| Non-Federal | Foreign | 5,798,963 | 1% | 12,684,402 | 3% | 10,923,010 | 3% | 14,126,278 | 3% | 19,089,519 | 5% |
| | Haw aii- Business and Other | 6,180,376 | 1% | 8,107,321 | 2% | 6,306,280 | 1% | 8,758,859 | 2% | 5,931,549 | 2% |
| | Haw aii- Dept of Education | 2,848,940 | 1% | 5,633,383 | 1% | 3,849,568 | 1% | 7,845,769 | 2% | 5,519,860 | 1% |
| | Haw aii- Government Agencies | 43,373,260 | 10% | 41,191,496 | 8% | 48,973,975 | 11% | 45,346,358 | 11% | 37,455,983 | 10% |
| | Haw aii- Health Organizations | 23,015,089 | 5% | 19,659,270 | 4% | 1,039,441 | 0% | 17,011,127 | 4% | 12,781,158 | 3% |
| | Haw aii- Non-Profit Organizations | 12,364,047 | 3% | 9,863,373 | 2% | 14,343,456 | 3% | 24,980,130 | 6% | 17,105,305 | 4% |
| | Mainland- Business and Other | 11,167,142 | 2% | 8,659,607 | 2% | 7,059,345 | 2% | 6,153,313 | 2% | 8,310,778 | 2% |
| | Mainland- Health Organizations | 2,715,527 | 1% | 1,601,850 | 0% | 1,288,146 | 0% | 706,981 | 0% | 505,858 | 0% |
| | Mainland- Non-Profit Organizations | 5,280,365 | 1% | 4,219,209 | 1% | 7,448,311 | 2% | 6,484,735 | 2% | 10,512,867 | 3% |
| | Miscellaneous | 11,750 | 0% | 215,987 | 0% | 158,121 | 0% | - | 0% | - | 0% |
| | US Colleges and Universities | 12,224,023 | 3% | 14,758,982 | 3% | 11,131,428 | 3% | 14,389,121 | 4% | 10,721,860 | 3% |
| | Subtotal | 124,979,482 | 28% | 126,594,880 | 26% | 112,521,081 | 26% | 145,802,671 | 36% | 127,934,737 | 33% |
| | Grand Total | 452,408,669 | 100% | 488,597,908 | 100% | 435,874,967 | 100% | 409,783,318 | 100% | 392,314,955 | 100% |

ARRA Awards by Sponsor Type 2010 to 2014 in Millions

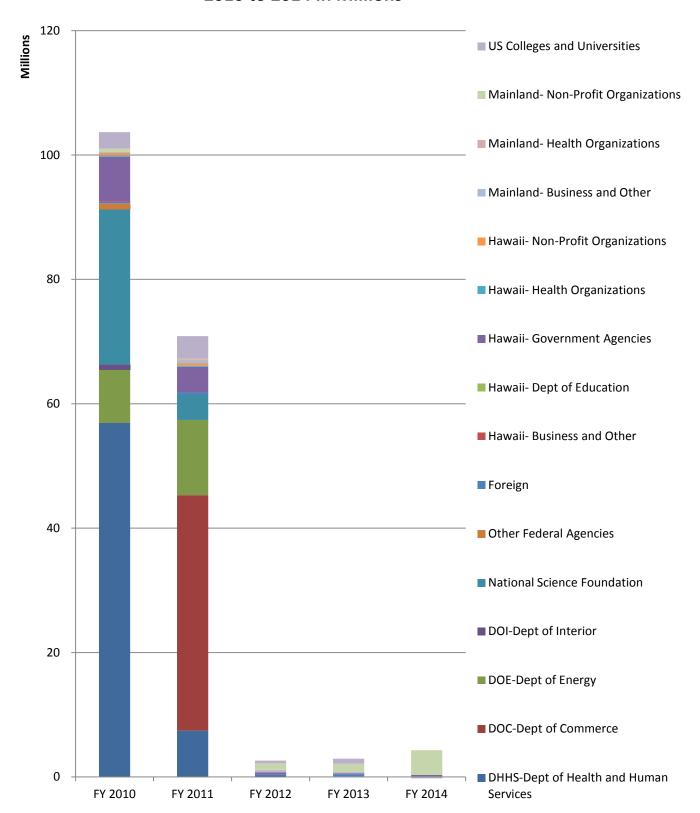


Figure 4: ARRA Award Summary Fiscal Years 2010 - 2014

| | | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | |
|-------------------|------------------------------------|-------------|-------|------------|-------|-----------|-------|-----------|-------|-----------|-------|
| | | Amount | % of | Amount | % of | Amount | % of | Amount | % of | Amount | % of |
| Source of Funding | | Awarded | Total | l Awarded | Total | Awarded | Total | Awarded | Total | Awarded | Total |
| Federal | DHHS-Dept of Health and Human Serv | 56,897,719 | 55% | 7,438,686 | 10% | 228,515 | 9% | | | | |
| | DOC-Dept of Commerce | | | 37,871,520 | 53% | | | | | (10,219) | 0% |
| | DOE-Dept of Energy | 8,580,428 | 8% | 12,084,944 | 17% | | | | | | |
| | DOI-Dept of Interior | 842,000 | 1% | | | | | | | | |
| | National Science Foundation | 24,948,342 | 24% | 4,010,908 | 6% | | | 96,468 | 3% | 102,918 | 3% |
| | Other Federal Agencies | 878,878 | 1% | | | | | | | | |
| | Subtotal | 92,147,367 | 89% | 61,406,058 | 85% | 228,515 | 9% | 96,468 | 3% | 92,699 | 2% |
| Non-Federal | Foreign | 262,820 | 0% | 411,973 | 1% | 140,000 | 5% | 344,634 | 12% | | |
| | Hawaii- Business and Other | 125,853 | 0% | , | | ,,,,,, | | ,,,, | | | |
| | Hawaii- Dept of Education | | | 1,120,080 | 2% | | | | | | |
| | Hawaii- Government Agencies | 7,173,221 | 7% | 4,129,020 | 6% | 356,063 | 14% | 161,586 | 6% | 222,512 | 5% |
| | Hawaii- Health Organizations | 218,098 | 0% | 173,476 | 0% | (39,527) | -2% | | | | |
| | Hawaii- Non-Profit Organizations | 420,280 | 0% | 363,640 | 1% | | | | | | |
| | Mainland- Business and Other | 180,000 | 0% | 460,787 | 1% | 278,121 | 11% | 145,843 | 5% | | |
| | Mainland- Health Organizations | 13,672 | 0% | 230,236 | 0% | 118,346 | 5% | 56,669 | 2% | | |
| | Mainland- Non-Profit Organizations | 500,000 | 0% | 106,744 | 0% | 1,072,487 | 41% | 1,338,124 | 46% | 3,979,886 | 98% |
| | US Colleges and Universities | 2,632,239 | 3% | 3,592,922 | 5% | 444,901 | 17% | 789,101 | 27% | (230,774) | -6% |
| | Subtotal | 11,526,183 | 11% | 10,588,878 | 15% | 2,370,391 | 91% | 2,835,957 | 97% | 3,971,624 | 98% |
| | Grand Total | 103,673,550 | 100% | 71,994,936 | 100% | 2,598,906 | 100% | 2,932,425 | 100% | 4,064,323 | 100% |

Contract and Grant Proposals Submitted Fiscal Year 2013 - 2014

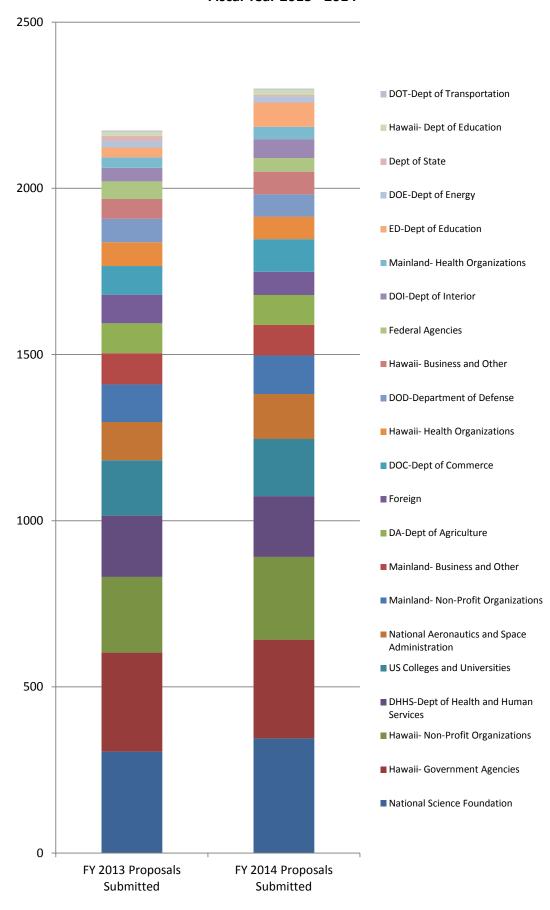


Figure 5: Grants and Contract Proposals Submitted Fiscal Year 2013 - 2014

| | | F۱ | /2013 | FY2 | 014 |
|-----------------|---|------------------------|---------------------|------------------------|---------------------|
| Source of Funds | | Proposals Submitted | Requested Amount | Proposals Submitted | Requested Amount |
| Federal | DA-Dept of Agriculture | 90 | 25,284,482 | 90 | 45,873,445 |
| | Dept of State | 16 | 167,825,102 | 5 | 2,033,835 |
| | DHHS-Dept of Health and Human Services | 184 | 283,209,263 | 183 | 309,422,921 |
| | DOC-Dept of Commerce | 86 | 27,918,731 | 98 | 39,458,523 |
| | DOD-Department of Defense | 70 | 88,716,526 | 67 | 65,768,259 |
| | DOE-Dept of Energy | 19 | 29,001,950 | 18 | 20,300,890 |
| | DOI-Dept of Interior | 41 | 5,838,695 | 57 | 8,539,586 |
| | DOT-Dept of Transportation | 3 | 409,330 | 3 | 110,000 |
| | ED-Dept of Education | 30 | 32,663,497 | 73 | 164,744,161 |
| | Other Federal Agencies | 53 | 17,844,656 | 41 | 39,866,219 |
| | National Aeronautics and Space Administration | 115 | 72,549,021 | 135 | 94,398,676 |
| | National Science Foundation | 305 | 134,223,366 | 345 | 215,448,608 |
| | Subtotal | 1,012 | 885,484,618 | 1,115 | 1,005,965,124 |
| Non-Federal | Foreign | 86 | 28,734,594 | 70 | 20,264,671 |
| | Hawaii- Business and Other | 60 | 11,271,614 | 68 | 8,461,463 |
| | Hawaii- Dept of Education | 13 | 10,368,079 | 16 | 7,348,646 |
| | Hawaii- Government Agencies | 298 | 45,481,750 | 297 | 43,795,832 |
| | Hawaii- Health Organizations | 72 | 20,932,500 | 68 | 23,384,648 |
| | Hawaii- Non-Profit Organizations | 228 | 27,185,044 | 249 | 26,690,886 |
| | Mainland- Business and Other | 94 | 7,409,444 | 92 | 10,709,513 |
| | Mainland- Health Organizations | 31 | 2,562,677 | 37 | 11,604,721 |
| | Mainland- Non-Profit Organizations | 113 | 11,518,319 | 116 | 21,601,774 |
| | US Colleges and Universities | 167 | 47,972,010 | 172 | 36,401,928 |
| | Subtotal | 1,162 | 213,436,031 | 1,185 | 210,264,082 |
| | Grand Total | 2174 | 1,098,920,649 | 2,300 | 1,216,229,205 |

Total Contract and Grant Awards FY 2001-2014, in Millions

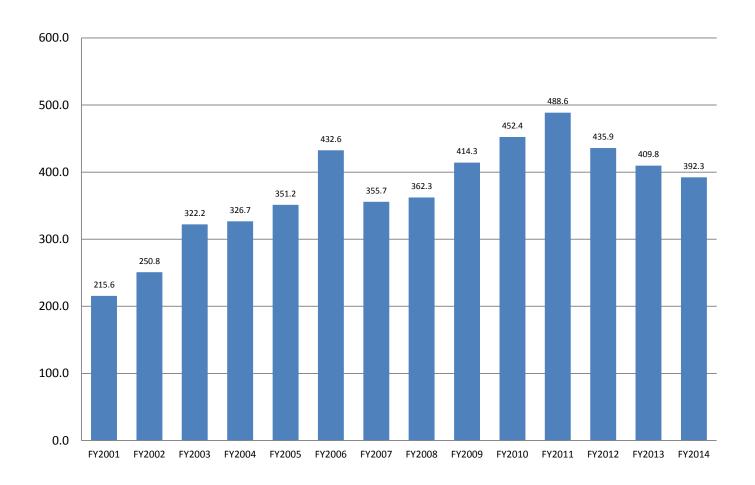


Figure 6: Total Grants and Contract Awards Summary
Fiscal Years 2001 to 2014

| Year | Total Awarded | % Change |
|--------|----------------|----------|
| FY2001 | \$ 215,597,432 | 19% |
| FY2002 | \$ 250,794,143 | 16% |
| FY2003 | \$ 322,220,492 | 28% |
| FY2004 | \$ 326,719,448 | 1% |
| FY2005 | \$ 351,209,277 | 7% |
| FY2006 | \$ 432,594,275 | 23% |
| FY2007 | \$ 355,724,605 | -18% |
| | | |

| Year | Total Awarded | % Change |
|--------|----------------|----------|
| FY2008 | \$ 362,289,909 | 2% |
| FY2009 | \$ 414,260,208 | 14% |
| FY2010 | \$ 452,408,669 | 9% |
| FY2011 | \$ 488,597,908 | 8% |
| FY2012 | \$ 435,874,967 | -11% |
| FY2013 | \$ 409,783,318 | -6% |
| FY2014 | \$ 392,314,955 | -4% |
| | | |

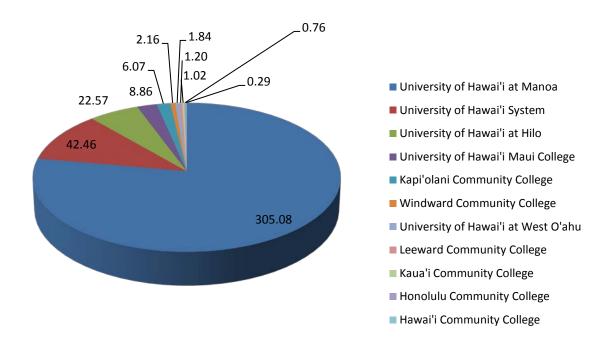
Figure 7: Top Individual Awards in FY 2014

| Award Amount | PI Name | Department | Award Sponsor | Title |
|--------------|-------------------|--|--|--|
| 14,988,141 | Richard Rocheleau | Hawaii Natural Energy Institute (HNEI) | DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH | Asia Pacific Research Initiative for Sustainable Energy Systems (APRISES 2013) |
| 5,853,210 | John Pezzuto | College of Pharmacy | HEALTH & HUMAN SVC, DEPT-CTR FOR MEDICARE & MEDICAID SVCS | "Pharm2Pharm" Service Innovation in Rural Hawaii |
| 5,174,000 | Karl E Kim | Urban and Regional Planning | HOMELAND SECURITY, DEPT-FEMA | National Disaster Preparedness Training Center |
| 4,999,908 | Rachel Novotny | College of Tropical Agriculture and Human Resources | AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE | Children's Healthy Living Program for Remote Underserved Minority Populations in the Pacific Region |
| 4,422,488 | Loic Le Marchand | Cancer Etiology | HEALTH & HUMAN SVC, DEPT-NIH- FED NATL CANCER INST | Obesity, Body Fat Distribution, and Cancer Risk in the Multiethnic Cohort |
| 4,200,000 | Bin Wang | International Pacific Research Center (IPRC) | Nanjing University of Information Science and Technology | China-USA Atmosphere-Ocean Research Center (AORC) |
| 4,000,000 | David Karl | Center for Microbial Oceanography, Research and Edu (C-MORE) | NATIONAL SCIENCE FOUNDATION | Center for Microbial Oceanography: Research and Education (C-MORE) |
| 4,000,000 | James Gaines | Office of the Vice President for Research and Innovation | NATIONAL SCIENCE FOUNDATION | IMUA III:Pacific High Island Evolutionary Biogeography:Impacts of Invasive Species, Anthropogenic Activity and Climate Change on Hawaiian FocalSpecies |
| 3,917,671 | Eric Holmes | Vice Chancellor, Research | HEALTH & HUMAN SVC, DEPT-NIH- FED NATL CTR FOR RSCH RES | INBRE II: Hawaii Statewide Research and Education Partnership (HSREP) |
| 3,747,000 | Mark Merrifield | Joint Institute for Marine and | COMMERCE, DEPT-NATL NOAA-FED | Sustaining Healthy Coastal Ecosystems - Supplement |
| 3,739,079 | Jeffrey Kuhn | Atmospheric Research (JIMAR) Institute for Astronomy | ASSOCIATION UNIVERSITIES RESEARCH IN ASTRONOMY, INC. | CRYO-NIRSP Construction |
| 3,690,769 | Alexander Shor | School of Ocean and Earth Science and Technology | DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH | Ship Operations, Maintenance, Repair and Upgrade for the R/V KILO MOANA |
| 3,684,886 | Robert Nichols | John A. Burns School of Medicine | HEALTH & HUMAN SVC, DEPT-NIH- FED NATL CTR FOR RSCH RES | INBRE II: Hawaii Statewide Research and Education Partnership (HSREP) |
| 3,622,463 | Loic Le Marchand | Cancer Etiology | HEALTH & HUMAN SVC, DEPT-NIH- FED NATL CANCER INST | Understanding Ethnic Differences in Cancer: The Multiethnic Cohort Study |
| 3,381,046 | Ivica Zalud | Department of Obstetrics, Gynecology and Women's Health | UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA) | Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14-UCERA-OBGYN |
| 3,322,097 | Linda K. Johnsrud | Office of the VP for Academic Planning and Policy | EDUCATION, DEPT-FED | Gaining Early Readiness and Awareness for Undergraduate Programs State Grant (GEAR UP) |
| 3,207,666 | David Lassner | Office of the VP for Information Tech/Chief Info Officer | DEFENSE, DEPT-AIR FORCE | Operations and Management of the Maui High Performance Computing Center |

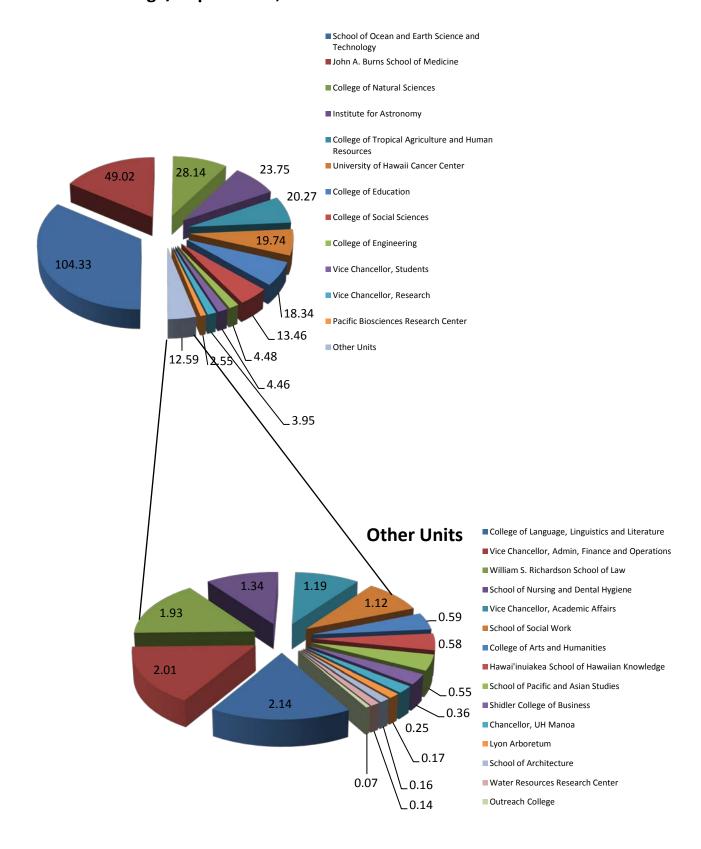
Figure 8: Top 50 Pls for FY 2014

| Don't | 1,000 | Tatal Amond | Unit: |
|----------|-------------------------------------|------------------------------|--|
| Rank | Investigator | Total Amount Awarded | Unit |
| 1 | David Lassner | 23,588,746.00 | Office of the VP for Information Tech/Chief Info Officer |
| 2 | Alexander N Shor | 17,981,594.00 | School of Ocean and Earth Science and Technology |
| 3 | Richard Rocheleau | 16,524,448.00 | School of Ocean and Earth Science and Technology |
| 4 | Mark Merrifield | 12,218,423.00 | School of Ocean and Earth Science and Technology |
| 5 | David Duffy | 11,579,717.00 | College of Natural Sciences |
| 6 | Loic Le Marchand | 8,774,108.00 | University of Hawaii Cancer Center |
| 7 | David Karl | 7,635,118.00 | School of Ocean and Earth Science and Technology |
| 8 | John Pezzuto | 5,853,210.00 | College of Pharmacy |
| 9 | Bin Wang | 5,794,335.00 | School of Ocean and Earth Science and Technology |
| 10 | Clyde M. Sakamoto | 5,714,857.00 | Chancellor, UH Maui College |
| 11 | James Gaines | 5,654,600.00 | Office of the Vice President for Research and Innovation |
| 12 | Linda K. Johnsrud | 5,305,938.00 | Office of the VP for Academic Planning and Policy |
| 13 | Karl E Kim | 5,274,000.00 | College of Social Sciences |
| 14 | Alan Tokunaga | 5,213,980.00 | Institute for Astronomy |
| 15 | Rachel Novotny | 5,016,844.00 | College of Tropical Agriculture and Human Resources |
| 16 | Donald Young | 4,902,525.00 | College of Education |
| 17 | Christopher Ostrander | 4,485,681.00 | School of Ocean and Earth Science and Technology |
| 18 | Jeffrey Kuhn | 4,291,250.00 | Institute for Astronomy |
| 19 | Clifford Morden | 4,209,329.00 | College of Natural Sciences |
| 20 | Louise Pagotto | 4,009,423.00 | Chancellor, Kapiolani Community College |
| 21 | Eric Holmes | 3,945,653.00 | Vice Chancellor, Research |
| 22 | Ivica Zalud | 3,724,146.00 | John A. Burns School of Medicine |
| 23 | Robert Nichols | 3,716,136.00 | John A. Burns School of Medicine |
| 24 | Donald Straney | 3,541,105.00 | Chancellor, UH Hilo |
| 25 | Matthew Church | 3,271,071.00 | School of Ocean and Earth Science and Technology |
| 26 | Michele Carbone | 3,232,880.00 | University of Hawaii Cancer Center |
| 27 | Thomas Browder | 3,050,000.00 | College of Natural Sciences |
| 28 | Nicholas Kaiser | 3,025,960.00 | Institute for Astronomy |
| 29 | Michael Vitale | 2,973,765.00 | Office of the Vice President for Research and Innovation John A. Burns School of Medicine |
| 30 31 | Jerris Robert Hedges Marla Berry | 2,937,060.00 2,858,026.00 | John A. Burns School of Medicine |
| 32 | Kevin Hamilton | 2,826,921.00 | School of Ocean and Earth Science and Technology |
| 33 | Susan Steinemann | 2,696,368.00 | John A. Burns School of Medicine |
| 34 | E. Gordon Grau | 2,669,221.00 | School of Ocean and Earth Science and Technology |
| 35 | John Tonry | 2,574,331.00 | Institute for Astronomy |
| 36 | Jon Yoshioka | 2,461,718.00 | , |
| 37 | Luke Flynn | 2,451,482.00 | School of Ocean and Earth Science and Technology |
| 38 | Elizabeth Tam | 2,334,683.00 | John A. Burns School of Medicine |
| 39 | Kenneth Nakamura | 2,318,784.00 | John A. Burns School of Medicine |
| 40 | Margaret Edwards | 2,312,832.00 | School of Ocean and Earth Science and Technology |
| 41 | Donald Price | 2,202,140.00 | College of Arts and Sciences |
| 42 | Richard Yanagihara | 1,976,997.00 | John A. Burns School of Medicine |
| 43 | Kay Fukuda | 1,973,037.00 | Vice Chancellor, Students |
| 44 | Marjorie Mau | 1,863,535.00 | John A. Burns School of Medicine |
| 45 | Norman Okamura | 1,835,974.00 | College of Social Sciences |
| 46 | Catherine Bio | 1,732,938.00 | Chancellor, UH Maui College |
| 47 | Jean Johnson | 1,671,062.00 | College of Education |
| 48 | Robert Stodden | 1,656,512.00 | College of Education |
| 49 | Sharon Ziegler | 1,647,955.00 | Vice Chancellor for Research |
| 50 | Kelly Drew Roberts | 1,631,636.00 | College of Education |
| | | | |

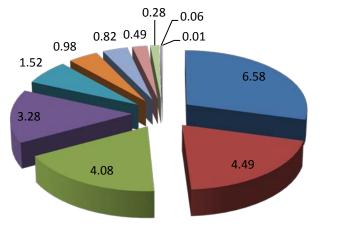
Contract and Grant Awards by Campus in Millions Fiscal Year 2014



Contract and Grant Awards for UH Manoa By College/Department, in Millions



Contract and Grant Awards for UH Hilo By College/Department in Millions



- College of Pharmacy
- Chancellor, UH Hilo
- College of Arts and Sciences
- Vice Chancellor for Student Affairs
- Vice Chancellor for Research
- College of Agriculture, Forestry and Natural Resource Mgt
- Hawaii Small Business Development Center
- Imiloa Astronomy Center Of Hawaii
- Ka Haka'Ula O Ke'Elikolani-UHH
- Vice Chancellor for Academic Affairs (UH Hilo)
- College of Continuing Education and Community Svc

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|--------------|-------------|------------|
| | | | |
| | | | |
| Hawai'i Community College | 294,477 | 4 | 0% |
| | | | |
| Honolulu Community College | 757,953 | 8 | 0% |
| | | | |
| Kapi'olani Community College | 6,070,759 | 18 | 2% |
| Kaua'i Community College | 1,021,526 | 8 | 0% |
| Rada i Community Conege | 1,021,526 | ٥ | 0% |
| Leeward Community College | 1,195,087 | 9 | 0% |
| , | -, , | - | -,- |
| University of Hawai'i at Hilo | 22,565,255 | 120 | 6% |
| Chancellor, UH Hilo | 4,486,703 | 7 | 1% |
| | | | |
| College of Agriculture, Forestry and Natural Resource Mgt | 977,222 | 18 | 0% |
| College of Agriculture, Forestry and Natural Resource Ma | gt 420,486 | 6 | 0% |
| Pacific Aquaculture and Coastal Resources Ctr | 556,736 | 12 | 0% |
| | | | |
| College of Arts and Sciences | 4,076,094 | 34 | 1% |
| Art (UH Hilo) | 15,780 | 3 | 0% |
| Biology (UH Hilo) | 920,690 | 13 | 0% |
| Chemistry (UH Hilo) | 161,144 | 3 | 0% |
| College of Arts and Sciences | 225,000 | 1 | 0% |
| English (UH Hilo) | 8,232 | 1 | 0% |
| Marine Science | 97,332 | 3 | 0% |
| Mathematics (UH Hilo) | 152,302 | 1 | 0% |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|--|--------------|-------------|------------|
| | | | |
| Natural Sciences Division | 2,013,500 | 2 | 1% |
| Psychology (UH Hilo) | 339,812 | 4 | 0% |
| School of Nursing | 22,302 | 1 | 0% |
| Social Sciences Division | 120,000 | 2 | 0% |
| | | | |
| College of Continuing Education and Community Svc | 7,500 | 1 | 0% |
| | | | |
| College of Pharmacy | 6,584,351 | 9 | 2% |
| College of Pharmacy | 6,170,138 | 2 | 2% |
| Pharmaceutical Sciences | 384,213 | 6 | 0% |
| Pharmacy Practice | 30,000 | 1 | 0% |
| | | | |
| Hawaii Small Business Development Center | 816,250 | 5 | 0% |
| | | | |
| Imiloa Astronomy Center Of Hawaii | 486,520 | 3 | 0% |
| | | | |
| Ka Haka'Ula O Ke'Elikolani-UHH | 279,698 | 3 | 0% |
| | , | | |
| Vice Chancellor for Academic Affairs (UH Hilo) | 57,026 | 2 | 0% |
| vice character for Academic Arians (or fine) | 37,020 | _ | 070 |
| Vice Chancellor for Research | 1,516,442 | 24 | 0% |
| vice chancellor for Research | 1,310,442 | 24 | 076 |
| Vice Chancellar for Strident Affaire | 2 277 440 | 4.4 | 40/ |
| Vice Chancellor for Student Affairs | 3,277,449 | 14 | 1% |
| Center For Gifted And Talented Native Hawaiian Childre | | 2 | 0% |
| Upward Bound | 723,850 | 4 | 0% |
| Vice Chancellor for Student Affairs | 1,460,907 | 8 | 0% |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total | |
|---|--------------|-------------|------------|--|
| | | | | |
| University of Hawai'i at Manoa | 305,079,544 | 1,477 | 78% | |
| University of nawal Lat Manoa | 305,079,544 | 1,477 | 78% | |
| Chancellor, UH Manoa | 250,000 | 1 | 0% | |
| | | | | |
| College of Arts and Humanities | 586,019 | 18 | 0% | |
| American Studies | 55,500 | 2 | 0% | |
| Art and Art History | 17,616 | 2 | 0% | |
| College of Arts and Humanities | 5,000 | 1 | 0% | |
| History (UH Manoa) | 47,264 | 1 | 0% | |
| Music (UH Manoa) | 3 2,730 | 6 | 0% | |
| Philosophy (UH Manoa) | 366,589 | 3 | 0% | |
| Theatre and Dance | 8,998 | 1 | 0% | |
| UHM Uehiro Academy for Philosophy and Ethics in Educa | tion 52,322 | 2 | 0% | |
| | | | | |
| College of Education | 18,343,323 | 49 | 5% | |
| Center on Disability Studies/University Affiliated Pgms | 7,249,078 | 21 | 2% | |
| College of Education | 5,128,825 | 6 | 1% | |
| Curriculum Research and Development Group | 1,800,042 | 8 | 0% | |
| Department of Curriculum Studies | 24,311 | 2 | 0% | |
| Department of Educational Psychology | 272,534 | 1 | 0% | |
| Department of Kinesiology and Rehabilitation Science | 1,065,091 | 6 | 0% | |
| Department of Special Education | 299,937 | 1 | 0% | |
| Institute for Teacher Education | 2,503,505 | 4 | 1% | |
| | | | | |
| College of Engineering | 4,476,386 | 51 | 1% | |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|--------------|-------------|------------|
| | | | |
| Civil and Environmental Engineering | 285,364 | 5 | 0% |
| College of Engineering | 785,486 | 2 | 0% |
| Electrical Engineering | 771,781 | 10 | 0% |
| Hawaii Center for Advanced Communications | 468,005 | 12 | 0% |
| Hawaii Space Flight Laboratory | 42,096 | 3 | 0% |
| Mechanical Engineering | 2,123,654 | 19 | 1% |
| College of Language, Linguistics and Literature | 2 142 621 | 22 | 1% |
| | 2,143,631 | | |
| College of Language, Linguistics and Literature | 72,420 | 3 | 0% |
| Department of East Asian Languages and Literature | 650,023 | 3 | 0% |
| Department of English | 21,361 | 4 | 0% |
| Department of Indo-Pacific Languages | 96,700 | 2 | 0% |
| Department of Linguistics | 441,743 | 5 | 0% |
| Department of Second Language Studies | 861,384 | 5 | 0% |
| College of Natural Sciences | 28,136,465 | 239 | 7% |
| College of Natural Sciences | 1,821,006 | 6 | 0% |
| Department of Biology (Biology Program) | 473,251 | 6 | 0% |
| Department of Botany | 15,717,069 | 164 | 4% |
| Department of Chemistry | 1,616,849 | 12 | 0% |
| Department of Mathematics | 161,000 | 2 | 0% |
| Department of Microbiology | 333,517 | 2 | 0% |
| Department of Physics and Astronomy | 5,688,178 | 24 | 1% |
| Department of Zoology | 384,764 | 9 | 0% |
| Information and Computer Sciences | 954,107 | 12 | 0% |
| Marine Option Program | 192,525 | 1 | 0% |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|--------------|-------------|------------|
| Pacific Cooperative Studies Unit | 794,199 | 1 | 0% |
| College of Social Sciences | 13,464,669 | 61 | 3% |
| Center for Oral History | (6,659) | - | 0% |
| College of Social Sciences | 466,789 | 7 | 0% |
| Department of Anthropology | 150,722 | 3 | 0% |
| Economics (UH Manoa) | 122,270 | 1 | 0% |
| Ethnic Studies | 18,358 | 3 | 0% |
| Geography (UH Manoa) | 210,194 | 4 | 0% |
| Political Science (UH Manoa) | 480,000 | 3 | 0% |
| Psychology (UH Manoa) | 1,745,023 | 5 | 0% |
| Public Administration | 152,460 | 2 | 0% |
| Social Science Research Institute | 3,874,407 | 23 | 1% |
| Social Sciences Public Policy Center | 392,000 | 2 | 0% |
| Sociology (UH Manoa) | 286,244 | 3 | 0% |
| Urban and Regional Planning | 5,440,843 | 4 | 1% |
| Womens Studies | 132,018 | 1 | 0% |
| | | | |
| College of Tropical Agriculture and Human Resources | 20,274,254 | 149 | 5% |
| Agricultural Diagnostic Service Center | 648,977 | 2 | 0% |
| Center on the Family | 1,779,782 | 8 | 0% |
| College of Tropical Agriculture and Human Resources | 7,354,074 | 10 | 2% |
| Cooperative Extension | 53,623 | 1 | 0% |
| Family and Consumer Sciences | 25,000 | 1 | 0% |
| Hawaii County | 5,642 | 1 | 0% |
| Human Nutrition, Food and Animal Sciences | 1,006,416 | 15 | 0% |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|--------------|-------------|------------|
| | | | |
| Kauai County | 7,800 | 1 | 0% |
| Molecular Biosciences and Bioengineering | 1,670,206 | 13 | 0% |
| Natural Resources and Environmental Mgt | 3,092,955 | 34 | 1% |
| Oahu County | 641,765 | 4 | 0% |
| Office of The Assoc Dean for Academic and Student Affai | rs 42,000 | 1 | 0% |
| Plant and Environmental Protection Sciences | 3,588,197 | 43 | 1% |
| Tropical Plant and Soil Science | 347,817 | 13 | 0% |
| Western Insular Pac Sun Grant Subcenter | 10,000 | 2 | 0% |
| | | | |
| Hawai'inuiakea School of Hawaiian Knowledge | 576,200 | 5 | 0% |
| Hawai'inuiakea School of Hawaiian Knowledge | 210,000 | 2 | 0% |
| Kamakakuokalani Center for Hawaiian Studies | 366,200 | 3 | 0% |
| | | | |
| Institute for Astronomy | 23,748,509 | 98 | 6% |
| | | | |
| John A. Burns School of Medicine | 49,024,923 | 216 | 12% |
| Center for Cardiovascular Research | 125,008 | 2 | 0% |
| Center on Aging | 202,920 | 2 | 0% |
| Department of Anatomy, Biochemistry, and Physiology | 1,403,369 | 8 | 0% |
| Department of Cell and Molecular Biology | 5,335,184 | 18 | 1% |
| Department of Communication Sciences and Disorders | 9,349 | 1 | 0% |
| Department of Complementary and Alternative Medicine | 1,418,149 | 6 | 0% |
| Department of Family Medicine and Community Health | 309,196 | 8 | 0% |
| Department of Geriatric Medicine | 1,610,207 | 7 | 0% |
| Department of Medical Technology | 2,481 | 1 | 0% |
| Department of Medicine | 5,693,688 | 31 | 1% |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|----------------|-------------|------------|
| | | | |
| Department of Native Hawaiian Health | 3,218,234 | 9 | 1% |
| Department of Obstetrics, Gynecology and Women's Hea | alth 3,728,997 | 7 | 1% |
| Department of Pediatrics | 6,534,817 | 24 | 2% |
| Department of Psychiatry | 1,168,358 | 12 | 0% |
| Department of Surgery | 2,787,928 | 15 | 1% |
| Department of Tropical Medicine, Medical Micro and Ph | arm 3,059,081 | 17 | 1% |
| Dept of Public Health Sciences and Epidemiology | 1,512,164 | 10 | 0% |
| Hawaii Center for Aids Research | 224,116 | 4 | 0% |
| Institute for Biogenesis Research | 206,101 | 6 | 0% |
| John A. Burns School of Medicine | 8,443,469 | 13 | 2% |
| Magnetic Resonance Imaging Center | 158,687 | 1 | 0% |
| Native Hawaiian Center of Excellence | 796,068 | 3 | 0% |
| Office of Public Health Studies | 1,077,352 | 11 | 0% |
| Lyon Arboretum | 170,000 | 2 | 0% |
| Outreach College | 68,670 | 7 | 0% |
| Community Programs | 15,339 | 5 | 0% |
| Non-Credit Programs (UH Manoa) | 3,331 | 1 | 0% |
| Outreach College | 50,000 | 1 | 0% |
| Pacific Biosciences Research Center | 2,546,375 | 44 | 1% |
| School of Architecture | 155,796 | 3 | 0% |
| School of Nursing and Dental Hygiene | 1,337,314 | 11 | 0% |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|-----------------|--------------------|------------|
| | | | |
| Department of Nursing | 734,658 | 6 | 0% |
| School of Nursing and Dental Hygiene | 602,656 | 5 | 0% |
| | | | |
| School of Ocean and Earth Science and Technology | 104,333,701 | 341 | 27% |
| Center for Microbial Oceanography, Research and Edu (C- | MORE) 7,288,669 | 4 | 2% |
| Department of Geology and Geophysics | 2,785,379 | 32 | 1% |
| Department of Meteorology | 465,003 | 7 | 0% |
| Department of Ocean and Resources Engineering | 1,515,971 | 9 | 0% |
| Department of Oceanography | 7,906,330 | 43 | 2% |
| Hawaii Institute of Geophysics and Planetology (HIGP) | 11,322,005 | 74 | 3% |
| Hawaii Institute of Marine Biology (HIMB) | 4,464,232 | 46 | 1% |
| Hawaii Natural Energy Institute (HNEI) | 18,480,407 | 21 | 5% |
| Hawaii Undersea Research Laboratory (HURL) | 918,771 | 5 | 0% |
| International Pacific Research Center (IPRC) | 9,953,605 | 26 | 3% |
| Joint Institute for Marine and Atmospheric Research (JIMA | AR) 13,016,543 | 39 | 3% |
| School of Ocean and Earth Science and Technology | 22,780,586 | 18 | 6% |
| Sea Grant College Program | 3,373,550 | 16 | 1% |
| University Marine Center/Ship Operations | 62,650 | 1 | 0% |
| | | | |
| School of Pacific and Asian Studies | 550,146 | 9 | 0% |
| Center for Chinese Studies | 153,808 | 2 | 0% |
| Center for Japanese Studies | 125,758 | 1 | 0% |
| Center for Korean Studies | 13,000 | 2 | 0% |
| School of Pacific and Asian Studies | 257,580 | 4 | 0% |
| | | | |
| School of Social Work | 1,117,970 | 15 | 0% |

Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|--------------|-------------|------------|
| | | | |
| | | _ | |
| Shidler College of Business | 363,328 | 4 | 0% |
| Department of Information Technology Management | 147,435 | 1 | 0% |
| Shidler College of Business | 215,893 | 3 | 0% |
| | | | |
| University of Hawaii Cancer Center | 19,737,276 | 72 | 5% |
| Cancer Etiology | 11,085,992 | 27 | 3% |
| Clinical Sciences | 2,579,782 | 20 | 1% |
| Natural Products | 3,006,520 | 15 | 1% |
| Social and Behavioral Sciences | 440,052 | 2 | 0% |
| University of Hawaii Cancer Center | 2,624,930 | 8 | 1% |
| | | | |
| Vice Chancellor, Academic Affairs | 1,190,226 | 10 | 0% |
| Graduate Education | 619,664 | 4 | 0% |
| International & Exch Prog | 72,300 | 2 | 0% |
| Library (UH Manoa) | 119,100 | 2 | 0% |
| Service Learning | 16,639 | 1 | 0% |
| Undergraduate Education | 362,523 | 1 | 0% |
| | | | |
| Vice Chancellor, Admin, Finance and Operations | 2,005,868 | 3 | 1% |
| | | | |
| Vice Chancellor, Research | 3,945,653 | 2 | 1% |
| | | | |
| Vice Chancellor, Students | 4,457,202 | 9 | 1% |
| Student Equity Excel & Diversity | 2,769,251 | 6 | 1% |
| Vice Chancellor, Students | 1,119,295 | 1 | 0% |

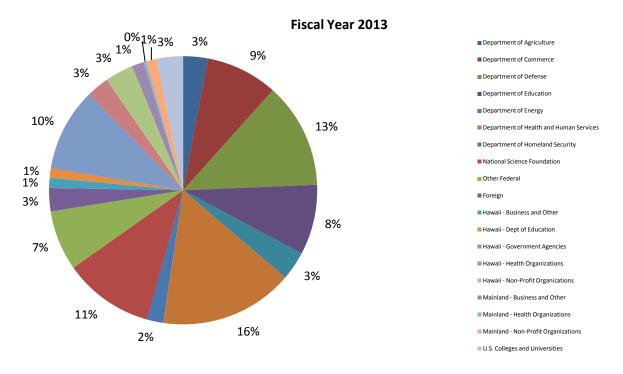
Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---|--------------|-------------|------------|
| Women's Center | 568,656 | 2 | 0% |
| Water Resources Research Center | 144,061 | 9 | 0% |
| William S. Richardson School of Law | 1,931,579 | 27 | 0% |
| University of Hawai'i at West O'ahu | 1,844,171 | 10 | 0% |
| University of Hawai'i Maui College | 8,860,909 | 28 | 2% |
| University of Hawai'i System | 42,464,231 | 76 | 11% |
| Office of the Vice President for Community Colleges | 815,102 | 7 | 0% |
| Office of the Vice President for Research and Innovation | 24,080,496 | 29 | 6% |
| Applied Research Laboratory | 5,252,278 | 12 | 1% |
| Office of the Vice President for Research and Innovation | 14,002,422 | 9 | 4% |
| Pacific Disaster Center | 4,825,796 | 8 | 1% |
| Office of the VP for Academic Planning and Policy | 6,144,521 | 17 | 2% |
| Office of the VP for Information Tech/Chief Info Officer | 11,374,112 | 21 | 3% |
| Office of the VP for Student Affairs and Univ/Comm Relation | ons 50,000 | 2 | 0% |
| Windward Community College | 2,161,043 | 16 | 1% |

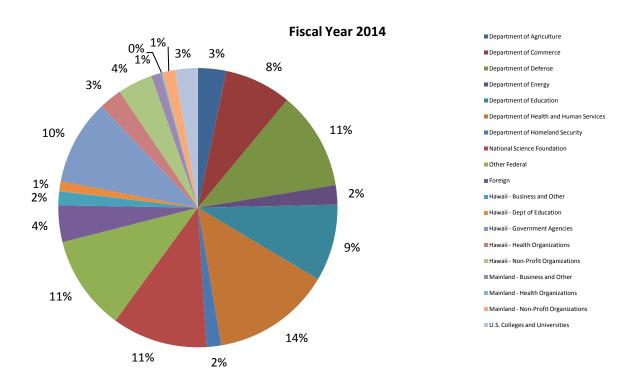
Figure 9: Contract and Grant Awards Summary by Campus/College/Department

| Campus/College/Department | Award Amount | Award Count | % of Total |
|---------------------------|--------------|-------------|------------|
| | | | |
| | | | |
| | | | |
| Grand Total | 392 314 955 | 1 774 | 100% |

Chart 10
Total Expenditures from Contracts and Grants by Source of Funds for Fiscal Year 2013 - 2014



Total Expenditures by Source of Funds Fiscal Year 2013



Total Expenditures by Source of Funds Fiscal Year 2014

Figure 10

Total Expenditures from Contracts and Grants by Source of Funds

Fiscal Year 2013 - 2014

| Source of Funds | Source of Funds FY 2013 % of | | | | % of |
|---|------------------------------|-------------|---------|-------------|-------|
| | | | Total | | Total |
| Department of Agriculture | \$ | 12,724,902 | 3% \$ | 13,708,632 | 3% |
| Department of Commerce | \$ | 37,040,519 | 9% \$ | 32,502,839 | 8% |
| Department of Defense | \$ | 54,362,071 | 13% \$ | 47,816,309 | 11% |
| Department of Education | \$ | 36,089,500 | 8% \$ | 9,369,004 | 2% |
| Department of Energy | \$ | 14,878,324 | 3% \$ | 37,389,302 | 9% |
| Department of Health and Human Services | \$ | 68,916,553 | 16% \$ | 57,812,367 | 14% |
| Department of Homeland Security | \$ | 8,507,176 | 2% \$ | 7,101,798 | 2% |
| National Science Foundation | \$ | 46,510,988 | 11% \$ | 46,198,513 | 11% |
| Other Federal | \$ | 30,952,701 | 7% \$ | 46,173,660 | 11% |
| Foreign | \$ | 12,052,201 | 3% \$ | 17,799,093 | 4% |
| Hawaii - Business and Other | \$ | 5,236,427 | 1% \$ | 6,783,965 | 2% |
| Hawaii - Dept of Education | \$ | 4,885,050 | 1% \$ | 4,846,282 | 1% |
| Hawaii - Government Agencies | \$ | 42,851,904 | 10% \$ | 41,354,533 | 10% |
| Hawaii - Health Organizations | \$ | 11,539,512 | 3% \$ | 11,131,082 | 3% |
| Hawaii - Non-Profit Organizations | \$ | 14,590,149 | 3% \$ | 17,002,456 | 4% |
| Mainland - Business and Other | \$ | 6,405,387 | 1% \$ | 4,694,751 | 1% |
| Mainland - Health Organizations | \$ | 1,136,329 | 0% \$ | 742,761 | 0% |
| Mainland - Non-Profit Organizations | \$ | 5,474,207 | 1% \$ | 6,283,895 | 1% |
| U.S. Colleges and Universities | \$ | 13,606,796 | 3% \$ | 10,915,488 | 3% |
| Total Expenditures | \$ | 427,760,697 | 100% \$ | 419,626,732 | 100% |

Summary:

- Expenditures declined during 2014 to \$419 million.
- The largest source is Department of Health and Human Services at 14% The next largest source was Department of Defense at 11%.
- Among federal sources, expenditures from National Science Foundation, Department of Health and Human Services and Commerce declined during 2014. Among non-federal sources, Hawaii -Government decreased, Hawaii-Non-Profit increased.

Chart 10A

Total ARRA Expenditures by Year and by Source of Support in Millions

Fiscal Year 2010 - 2014

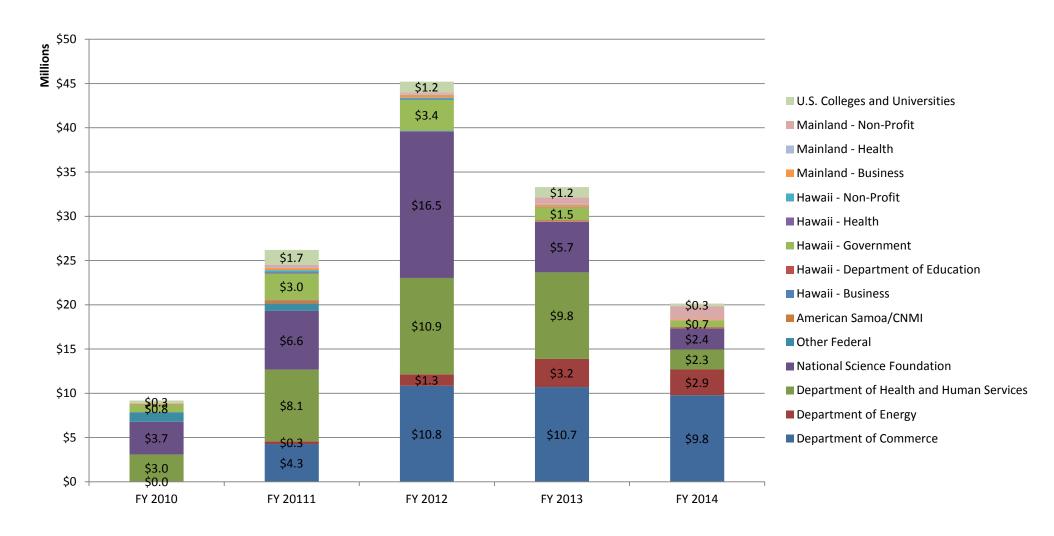


Figure 10A

Total ARRA Expenditures from Contracts and Grants by Source of Funds

Fiscal Year 2010 - 2014

| Source of Funds | ı | FY 2010 | FY 2011 | % of | FY 2012 | % of | FY 2013 | % of | FY 2014 | % of |
|---|-----|-----------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|
| | | | | Total | | Total | | Total | | Total |
| Department of Commerce | | | \$ 4,265,074 | 16% | \$ 10,844,984 | 24% | \$ 10,706,254 | 32% | \$ 9,769,432 | 49% |
| Department of Energy | \$ | 38,285 | \$ 296,825 | 1% | \$ 1,296,178 | 3% | \$ 3,177,649 | 10% | \$ 2,922,132 | 15% |
| Department of Health and Human Services | \$3 | 3,044,589 | \$ 8,107,154 | 31% | \$ 10,880,885 | 24% | \$ 9,783,842 | 29% | \$ 2,260,482 | 11% |
| National Science Foundation | \$3 | 3,687,984 | \$ 6,634,696 | 25% | \$ 16,523,432 | 37% | \$ 5,704,125 | 17% | \$ 2,381,758 | 12% |
| Other Federal | \$1 | 1,087,059 | \$ 850,603 | 3% | \$ 108,481 | 0% | | 0% | | 0% |
| American Samoa/CNMI | \$ | 25,573 | \$ 342,599 | 1% | \$ 32,520 | 0% | \$ 62,555 | 0% | \$ 63,164 | 0% |
| Hawaii - Business | | | \$ 21,404 | 0% | \$ 172 | 0% | | 0% | | 0% |
| Hawaii - Department of Education | | | \$ 50,115 | 0% | \$ 28,839 | 0% | \$ 103,425 | 0% | \$ 78,293 | 0% |
| Hawaii - Government | \$ | 783,231 | \$ 2,964,773 | 11% | \$ 3,424,288 | 8% | \$ 1,467,617 | 4% | \$ 743,131 | 4% |
| Hawaii - Health | \$ | 35,576 | \$ 116,957 | 0% | \$ 60,322 | 0% | \$ 42,949 | 0% | | 0% |
| Hawaii - Non-Profit | \$ | 29,107 | \$ 262,895 | 1% | \$ 207,347 | 0% | | 0% | \$ 23,397 | 0% |
| Mainland - Business | \$ | 96,562 | \$ 243,233 | 1% | \$ 317,938 | 1% | \$ 234,315 | 1% | \$ 107,671 | 1% |
| Mainland - Health | | | \$ 72,418 | 0% | \$ 121,666 | 0% | \$ 115,509 | 0% | | 0% |
| Mainland - Non-Profit | | | \$ 307,182 | 1% | \$ 154,938 | 0% | \$ 740,465 | 2% | \$ 1,493,685 | 7% |
| U.S. Colleges and Universities | \$ | 347,825 | \$ 1,654,720 | 6% | \$ 1,217,783 | 3% | \$ 1,153,833 | 3% | \$ 288,558 | 1% |
| Total ARRA Expenditures | \$9 | 9,175,790 | \$ 26,190,648 | 100% | \$ 45,219,773 | 100% | \$ 33,292,537 | 100% | \$ 20,131,703 | 100% |

Summary:

• The majority of ARRA expenditures came from Commerce, Energy and NSF. The total expenditures declined 40% in 2014.

Chart 11
Total Expenditures from External Support by Type of Program and Source of Support, in Millions
Fiscal Year Ending June 30, 2014

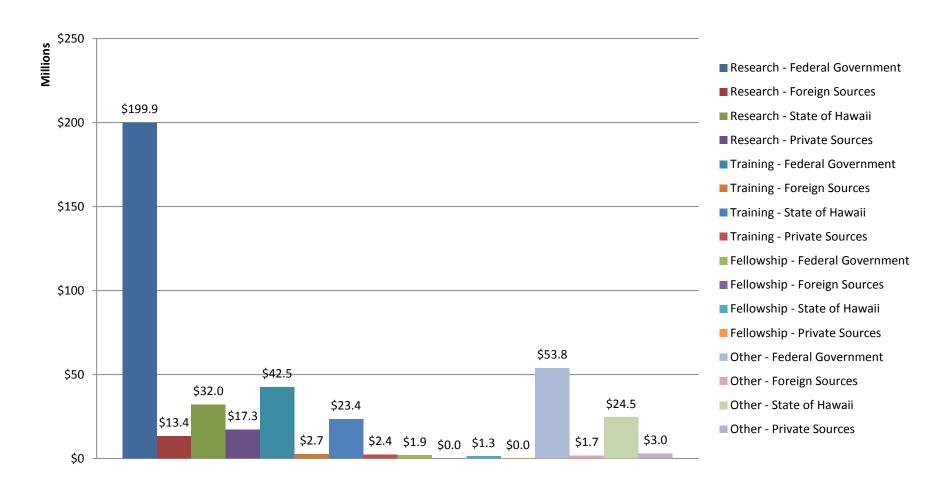


Figure 11

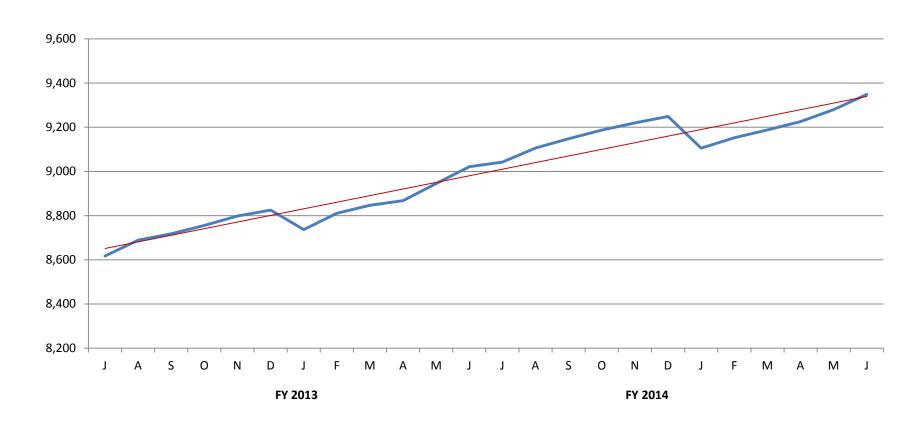
Total Expenditures from Contracts and Grants by Type of Program and Source of Support
Fiscal Year Ending June 30, 2014

| Pederal Government Department of Agriculture Department of Commerce Department of Defense - Air Force Department of Defense - Army Department of Defense - Navy Department of Education | \$ | | | | | |
|--|-------------------|---------------|-----------------|---------------|----------------|------|
| Department of Commerce Department of Defense - Air Force Department of Defense - Army Department of Defense - Navy | \$ | | | | | |
| Department of Defense - Air Force Department of Defense - Army Department of Defense - Navy | 11,209,382 | \$ 627,174 | \$ 34,748 | \$ 1,837,327 | \$ 13,708,632 | 3% |
| Department of Defense - Army Department of Defense - Navy | 20,138,884.69 | 143,106.75 | 87,325.65 | 12,133,522.10 | 32,502,839.19 | 8% |
| Department of Defense - Navy | 12,903,820.36 | - | - | - | 12,903,820.36 | 3% |
| | 10,770,114.13 | 335,862.62 | - | 56,892.02 | 11,162,868.77 | 3% |
| Department of Education | 14,785,071.52 | 12,720.91 | - | 67,722.16 | 14,865,514.59 | 4% |
| Department of Education | 1,778,836.65 | 12,867,719.88 | 1,050,889.00 | 21,691,856.77 | 37,389,302.30 | 9% |
| Department of Energy | 8,138,210.77 | 216,953.91 | - | 1,013,839.27 | 9,369,003.95 | 2% |
| Department of Health and Human Services | 48,188,683.77 | 4,396,823.87 | - | 5,226,859.53 | 57,812,367.17 | 14% |
| Department of Homeland Security | 1,978,626.29 | 5,123,171.59 | - | - | 7,101,797.88 | 2% |
| Department of Interior | 5,592,401.32 | 27,211.27 | - | 372,023.03 | 5,991,635.62 | 1% |
| Department of State | 1,154,309.20 | 71,689.73 | - | - | 1,225,998.93 | 0% |
| Department of Transportation | 7,800.31 | - | - | - | 7,800.31 | 0% |
| Department of Veterans Affairs | 174,116.02 | 259,216.53 | - | 21,738.45 | 455,071.00 | 0% |
| Environmental Protection Agency | 214,961.49 | 28,852.19 | 15,809.62 | 780.00 | 260,403.30 | 0% |
| National Aeronautics and Space Administration | 14,771,248.61 | 629,776.65 | 86,038.31 | 2,323,112.10 | 17,810,175.67 | 4% |
| National Science Foundation | 35,395,731.73 | 8,330,092.95 | 550,463.14 | 1,922,225.62 | 46,198,513.44 | 11% |
| Other Department of Defense | 8,479,159.32 | 386,666.88 | - | 18,278.81 | 8,884,105.01 | 2% |
| Other Federal | 4,233,280.40 | 9,035,316.42 | 70,613.44 | 7,083,365.35 | 20,422,575.61 | 5% |
| Total Federal Government | \$ 199,914,638 | \$ 42,492,357 | \$ 1,895,887 | \$ 53,769,543 | \$ 298,072,425 | 71% |
| Foreign Sources | \$ 13,399,698 | \$ 2,660,439 | \$ - | \$ 1,738,957 | \$ 17,799,093 | 4% |
| State of Hawaii | | | | | | |
| Hawaii - Business and Other | \$ 2,481,772 | \$ 1,718,556 | \$ 47,497 | \$ 2,536,140 | \$ 6,783,965 | 2% |
| Hawaii - Department of Education | 53,191.68 | 2,785,677.26 | - | 2,007,413.18 | 4,846,282.12 | 1% |
| Hawaii - Government Agencies | 21,430,430.99 | 6,890,858.33 | 407,476.63 | 12,625,766.89 | 41,354,532.84 | 10% |
| Hawaii - Health Organizations | 544,149.95 | 10,444,929.13 | - | 142,003.40 | 11,131,082.48 | 1% |
| Hawaii - Non- Profit Organizations | 7,480,221.13 | 1,537,491.42 | 815,337.39 | 7,169,405.99 | 17,002,455.93 | 4% |
| Total State of Hawaii | \$ 31,989,766 | \$ 23,377,512 | \$ 1,270,311 | \$ 24,480,730 | \$ 81,118,319 | 19% |
| Mainland Sources | | | | | | |
| Mainland - Business and Other | \$ 4,362,368 | \$ 179,893 | \$ - | \$ 152,489 | \$ 4,694,751 | 1% |
| Mainland - Health Organizations | 625,295.41 | 117,465.96 | - | - | 742,761.37 | 0% |
| Mainland - Non-Profit Organizations | 2,367,972.65 | 1,629,033.01 | 17,007.15 | 2,269,882.20 | 6,283,895.01 | 1% |
| U.S. Colleges and Universities | 9,936,462.91 | 426,034.11 | 18,239.65 | 534,751.49 | 10,915,488.16 | 3% |
| Total Private Sources | \$ 17,292,099 | \$ 2,352,426 | \$ 35,247 | \$ 2,957,123 | \$ 22,636,895 | 5% |
| Total Expenditures from External | | | | | | |
| Support | \$ 262,596,200 | \$ 70,882,734 | \$ 3,201,445 | \$ 82,946,352 | \$ 419,626,732 | 100% |

[•] Expenditures from the Research area were \$262 million at 63% of the total expenditures from external support. Other provided 20%, training at 17% and Fellowships at .007%.

[•] The federal government provided 71% of the total expenditures and accounted for \$298 million.

Chart 12
Total FTE Paid from Contract and Grant Funds
Fiscal Year 2013 - 2014

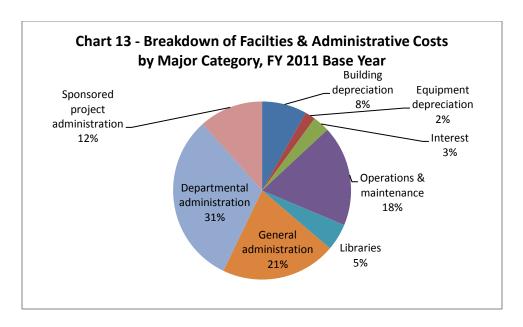


Total FTE Paid from Contract and Grant Funds
Fiscal Year 2013 - 2014

Figure 12

| Month | Year to Date FY13 Year to Date FY14 | |
|--------------------|-------------------------------------|-------|
| July | 8,618 | 9,042 |
| August | 8,689 | 9,106 |
| September | 8,718 | 9,148 |
| Monthly Average Q1 | 8,675 | 9,099 |
| October | 8,756 | 9,187 |
| November | 8,798 | 9,220 |
| December | 8,825 | 9,249 |
| Monthly Average Q2 | 8,793 | 9,219 |
| January | 8,737 | 9,105 |
| February | 8,811 | 9,152 |
| March | 8,847 | 9,188 |
| Monthly Average Q3 | 8,798 | 9,149 |
| April | 8,868 | 9,226 |
| May | 8,945 | 9,280 |
| June | 9,022 | 9,349 |
| Monthly Average Q4 | 8,945 | 9,285 |
| | | |
| Monthly Average FY | 8,803 | 9,188 |
| Change (Number) | | 385 |
| Change (Percent) | | 4.37% |

Note: FTE includes University of Hawaii and Research Corporation of the University of Hawaii



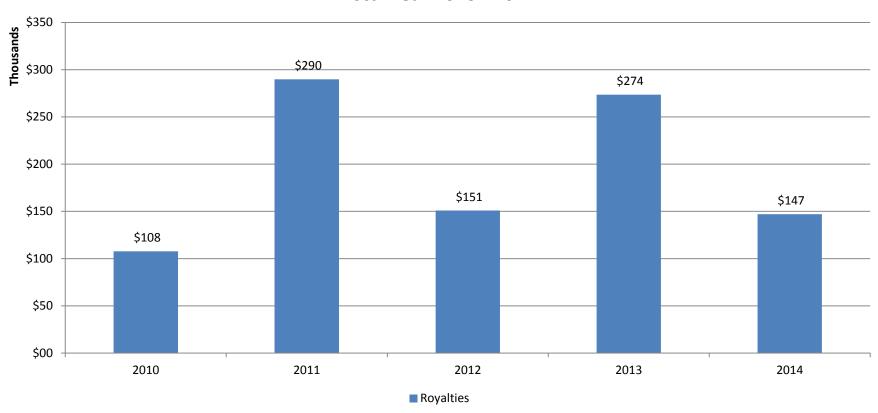
In a typical year, roughly a third of the University's overhead for sponsored projects maintains UH facilities for supporting sponsored activity and roughly two-thirds supports central and departmental sponsored activity administration. About one third of the total F&A represents administration of sponsored activity with Schools, Colleges, and Research Units. These funds are used by Deans and Directors to support fiscal administrators and other staff who assist faculty with sponsored activity – including grant proposal preparation and budget management.

The pie chart represents the proportion of actual overhead costs during the University's last F&A base year (FY 2011). Thirty-three percent of the F&A funds represented costs of providing centralized research administration and compliance services, such as research accounting and analysis, human resources, payroll, purchasing, Office of Research Services, Human Subjects, Institutional Animal Care & Compliance, and Research Corporation of the University of Hawaii. Of the 36% spent on Facilities, half was spent on operations and maintenance of existing sponsored activity space, including paying for such costs as utilities, hazardous materials disposal, and janitorial services. The remainder paid for repairs and renovations of buildings, 'debt service' (interest), major equipment replacement, and support for the libraries.

The UH received approximately \$49 million in F&A cost reimbursements in FY 2014. Each campus receives 75% of the recovered F&A generated by its faculty through the Research and Training Revolving Fund (RTRF) allocation. The PI's college or research unit at the University of Hawaii at Manoa generally receives 50% of the recovered F&A costs. These funds are used at the discretion of the Chancellors, Deans and Directors to support research and training in their units.

F&A cost reimbursements are related to University expenditures. When the UH develops its biennial budget, it stars with an estimate of the total revenues available for that biennium, including State funding, tuition, F&A cost reimbursement, and interest and investment income. All these funding sources are combined to pay for the UH's operating expenses, including F&A costs related to research and other sponsored agreements.

Chart 14
Total Royalties Received from University Patents in Thousands
Fiscal Year 2010 - 2014



Total Royalties Received from University Patents
Fiscal Year 2010 - 2014

| Fiscal | Royalties | | |
|-----------------|-----------|---------|--|
| Year | | | |
| 2010 | \$ | 107,702 | |
| 2011 | \$ | 289,842 | |
| 2012 | \$ | 150,950 | |
| 2013 | \$ | 273,590 | |
| 2014 | \$ | 146,991 | |
| | | | |
| Total Royalties | \$ | 969,075 | |

Figure 14

Source of Awards

Federal

DA-Dept of Agriculture

Agriculture, Dept - Animal and Plant Health Inspection Service

AGRICULTURE, DEPT, FOREST SVC-FED

AGRICULTURE, DEPT-AGRI RSCH SVC-FED

AGRICULTURE, DEPT-FED

AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE

AGRICULTURE, DEPT-NATRL RES SVC-FED

Agriculture, Dept-Risk Management Agency

Dept of State

STATE, DEPT-BUREAU OF ARMS CONTROL AND VERIFICATION

STATE, DEPT-US AGENCY INTL DEV-FED USAID

DHHS-Dept of Health and Human Services

HEALTH & HUMAN SVC. DEPT-ADMIN FOR COMM LIVING

HEALTH & HUMAN SVC, DEPT-ADMIN ON AGING

HEALTH & HUMAN SVC, DEPT-CTR DIS CTRL-FED

HEALTH & HUMAN SVC, DEPT-CTR FOR MEDICARE & MEDICAID SVCS

HEALTH & HUMAN SVC. DEPT-FED

HEALTH & HUMAN SVC, DEPT-HLTH CARE RES & QUALITY

HEALTH & HUMAN SVC, DEPT-HRSA-FED

HEALTH & HUMAN SVC, DEPT-HRSA-FED BUR OF HLTH PROF

HEALTH & HUMAN SVC, DEPT-HRSA-FED MATERNAL & CHILD

HEALTH & HUMAN SVC, DEPT-NIH-FED

HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST

HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH

HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HEART LUNG

HEALTH & HUMAN SVC, DEPT-NIH-FED NATL INST MIN HLTH

HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ALLERGY/INF

HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ARTH MUSC

HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DIAB DIG

HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DRUG ABUSE

 ${\sf HEALTH~\&~HUMAN~SVC,~DEPT-NIH-FED~NTL~INST~GEN~MED~SCI}$

HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST MENTAL HLTH

HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ON AGING

HEALTH & HUMAN SVC, DEPT-PUB HLTH SVC-FED

HEALTH & HUMAN SVC. DEPT-SUB ABUSE/MNTL HLTH SVC-FED

HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST CHLD HLTH

HEALTH&HUMAN SVC,DEPT-NIH-FED NTL INST BIOMED

HEALTH&HUMAN SVC,DEPT-NIH-FED NTL INST NEURO DIS

DOC-Dept of Commerce

COMMERCE, DEPT-ECONOMIC DEV ADM-FED

COMMERCE, DEPT-MINORITY BUSN DEV AGENGY-FED

COMMERCE, DEPT-NATIONL INST STANDARDS &TECH-FED

COMMERCE, DEPT-NATIONL TELECOM & INFO ADMIN

COMMERCE, DEPT-NATL NOAA-FED

COMMERCE, DEPT-NATL NOAA-FED NATL OCEAN SVC

COMMERCE, DEPT-NATL NOAA-FED NATL WEATHER SVC

COMMERCE, DEPT-NATL NOAA-FED SEA GRANT COLL PGM

COMMERCE, DEPT-NOAA/NATL MARINE FISHERIES SVC WESTERN PACIFIC REGIONAL FISHERY MGT COUNCIL

DOD-Department of Defense

DEFENSE, DEPT- US ARMY CORPS OF ENGINEERS

Defense, Dept. - U.S. Army Research Office

Defense, Dept.-Pacific Command (USPACOM)

DEFENSE, DEPT-AIR FORCE

DEFENSE, DEPT-AIR FORCE OFC OF SCI RSCH

DEFENSE, DEPT-AIR FORCE RESEARCH LABORATORY

DEFENSE, DEPT-AIR FORCE SPACE & MISSILE SYS CTR

DEFENSE, DEPT-ARMY

DEFENSE, DEPT-Army Communications Electronics Command

DEFENSE, DEPT-ARMY ENG RSCH & DEV CTR

DEFENSE, DEPT-ARMY MED RSCH & MAT COMMD (USAMRMC)

DEFENSE, DEPT-ARMY TRIPLER MEDICAL CTR

DEFENSE, DEPT-CONGRESSIONALLY DIR MED RSCH PROG

DEFENSE, DEPT-DEPUTY UNDR SECRETARY OF DEF

DEFENSE, DEPT-EDUCATION ACTIVITY

DEFENSE, DEPT-NATIONAL GEOSPATIAL INTELLEGENCE AGENCY

DEFENSE, DEPT-NATIONAL SECURITY AGY

DEFENSE, DEPT-NAVY

DEFENSE, DEPT-NAVY NAVAL RSCH LAB

DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH

DEFENSE, DEPT-NAVY SPACE & NAVAL WARFARE SYS CTR PACIFIC

DEFENSE, DEPT-STRATEGIC ENV RSCH & DEV PROG

DEFENSE, DEPT-WASHINGTON HEADQUARTERS SVCS

DOE-Dept of Energy

ENERGY. DEPT

Energy, Dept. of - Basic Energy Sciences

Energy, Dept. of-Lawrence Berkeley Natl Lab

DOI-Dept of Interior

INTERIOR, DEPT-FED OFC OF INSULAR AFFAIRS

INTERIOR, DEPT-FISH & WILDLIFE SVC

INTERIOR, DEPT-NATIONAL PARK SVC

INTERIOR, DEPT-UNITED STATES GEO SURVEY

DOT-Dept of Transportation

TRANSPORTATION, DEPT-FED-FED AVIATION ADMIN

ED-Dept of Education

EDUCATION, DEPT-FED

EDUCATION, DEPT-FED FUND IMPRVMNT OF POSTSEC ED

EDUCATION, DEPT-FED OFC OF POSTSEC ED

EDUCATION, DEPT-FED OFC OF SPECIAL ED & REHAB SVCS

Other Federal Agencies

Bureau of Ocean Energy Management

ENVIRONMENTAL PROTECTION AGENCY

HOMELAND SECURITY, DEPT-FEMA

HOUSING & URBAN DEV, DEPT

Appendix 1

Source of Awards

JUSTICE, DEPT-OFFICE JUSTICE PROG

LABOR, DEPT-EMPLOYMENT TRNG ADM-FED

NATL ENDOWMENT FOR THE ARTS

NATL ENDOWMENT FOR THE HUMANITIES

PEACE CORPS

SMALL BUSINESS ADMINISTRATION

United States Institute of Peace

USE 01100-HOMELAND SECURITY, DEPT

VETERANS AFFAIRS, DEPT-FED

VIETNAM EDUCATION FOUNDATION

National Aeronautics and Space Administration

NATIONAL AERONAUT & SPACE ADM

National Science Foundation

NATIONAL SCIENCE FOUNDATION

Non-Federal

Foreign

ACADEMY KOREAN STUDIES

AMERICAN SAMOA, GOVERNMENT

American Samoa, Government- Department of Education

Aoyama Gakuin University

APEC CLIMATE CENTER

AstraZeneca

Bundesanstalt fur Geowissenshaften und Rohstoffe

Buster Company Co. Ltd.

Chuo University

COMMONWEALTH OF NO MARIANA ISLANDS

Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO)

Deutscher Akademischer Austausch Dienst German Academic Exch

FEDERATED STATES MICRONESIA

Fukada Salvage and Marine Works Company, Ltd.

GUAM, GOVERNMENT - Public Health and Social Services

GUAM, UNIVERSITY OF

HANS RAUSING ENDANGERED LANGUAGES PROJECT

Horimasa Co. Ltd.

India, Government of-Ministry of Earth Sciences

International Agency for Research on Cancer/World Health Org

Japan Aerospace Exploration Agency

JAPAN AGENCY MARINE-EARTH SCIENCE AND TECHNOLOGY

JAPAN FOUNDATION

KEK HIGH ENERGY ACCELERATOR RCH ORG

Korea Food Research Institute

KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY

Korea University Research and Business Foundation

London, University of-Royal Holloway

Minerva Wissenschaftliche Buchhandlung GmbH

Nanjing University of Information Science and Technology

NATIONAL ASTRONOMICAL OBSV JAPAN

Nippon Steel & Sumitomo Metal Corporation

Osterlens Folkhogskola

Paul Mellon Centre for Studies in British Art

PEKING UNIVERSITY

PUERTO RICO MAYAGUEZ. UNIVERSITY

REPUBLIC MARSHALL ISLANDS

REPUBLIC PALAU

Royal Thai Embassy

RURAL DEVELOPMENT ADMINISTRATION

RYUKYUS, UNIVERSITY OF

Technische Universitat Munchen

Tohoku University

UK Seabed Resources Ltd

UNIVERSITY OF AUCKLAND

Hawaii- Business and Other

ALU LIKE INC

BISHOP MUSEUM

EAST WEST CENTER

GARDEN ISLE RESRCE CONSERV & DEVELOPMENT, INC.

GSI Pacific

HASEKO (EWA) INC

Hawaii Procurement Tech Assistance Ctr

KAMEHAMEHA SCHOOLS

MAKAI OCEAN ENGINEERING INC

MALAMA KAHALAWAI INC

MAUI COUNTY COMMUNITY TELEVISION

OCEANIT LABORATORIES INC

'OHU'OHU KO'OLAU INC

PACIFIC RADIATION ONCOLOGY INC

PAPA OLA LOKAHI

PLANNING SOLUTIONS, INC.

Pulama Lanai

PUNA GEOTHERMAL VENTURE

RESEARCH CORPORATION UNIV HI

Royal Hawaiian Orchards, LP

The Kohala Center

Ulupono Initiative

Hawaii- Dept of Education

EDUCATION, DEPT-HI

Hawaii- Government Agencies

ACCOUNTING & GEN SVC, DEPT-HI STATE FDTN CULT & ARTS

AGRICULTURE, DEPT-AGRIB DEV CORP-HI

AGRICULTURE. DEPT-HI

Source of Awards

BUSINESS, ECON DEV & TOUR, DPT

BUSINESS, ECON DEV & TOUR, DPT - NAT ENERGY LAB (NELH)

CITY & COUNTY HONOLULU

COMMERCE & CONSUMER AFFAIRS, DEPT (DCCA)

COUNTY HAWAII

County Hawaii Dept of Research and Development

COUNTY KAUAI **COUNTY MAUI**

COUNTY MAUI OFC OF ECON DEVEL COUNTY MAUI PLANNING DEPT

DEFENSE. DEPT-HI - HI ARMY NATL GUARD

DEFENSE. DEPT-HI CIVIL DEFENSE Governor. Office of - State of Hawaii

Hawai'i State Foundation on Culture and the Arts

HAWAIIAN AFFAIRS, OFFICE OF HAWAIIAN HOME LANDS. DEPT-HI

HEALTH. DEPT-ADULT MENTAL HTH DV-HI HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI HEALTH, DEPT-CHILD/ADOLESC MENTAL HLTH DIV-HI

HEALTH, DEPT-DEVELOPMENTAL DC-HI HEALTH, DEPT-EXEC OFF AGING-HI HEALTH. DEPT-FAMILY HLTH SVC DIV-HI

HEALTH, DEPT-HAZARD EVAL & EMERGENCY RESPONSE

HEALTH, DEPT-HI

HEALTH, DEPT-HI SAFE DRINKING WATER BRANCH

HEALTH, DEPT-MAT & CHILD

Health, Dept-Office of Planning, Policy, and Program Dev-HI

HEALTH, DEPT-STATE HEALTH PLANNING & DEVELOPMENT AGENCY-

HEALTH. DEPT-TOBACCO SETTLEMENT-HI

HUMAN SERVICES, DEPT-HI

HUMAN SERVICES, DEPT-HI Benefits, Employment & Support Services

HUMAN SERVICES, DEPT-OYS-HI

JUDICIARY-HI

Kahoolawe Island Reserve Commission

LABOR & INDUSTRIAL RELATION. DPT-HI (DLIR) LAND & NATURAL RES, DPT-AQUAT (DLNR) LAND & NATURAL RES, DPT-FORST (DLNR) LAND & NATURAL RES, DPT-INVASIVE SPEC (DLNR)

LAND & NATURAL RESOURCES, DEPT (DLNR)

LAND & NATURAL RESOURCES, DEPT (DLNR) ENGINEERING LAND & NATURAL RESOURCES, DEPT (DLNR) OFC CONS COA

Office of Information Mgmt & Technology-HI

PUBLIC SAFETY, DEPT-HI TRANSPORTATION, DEPT-HI WATER SUPPLY, BOARD OF

Hawaii- Health Organizations

CASTLE MEDICAL CENTER

HAWAII HEALTH SYSTEMS CORPORATION

HAWAII MEDICAL SERVICE ASSOCIATION

HAWAII MEDICAL SRVC ASSN FOUNDATION

Kaiser Foundation Health Plan KALIHI-PALAMA HEALTH CENTER

KAPIOLANI MED CTR FOR WOMEN & CHILDREN

KAPIOLANI MEDICAL SPECIALIST KUAKINI MEDICAL CENTER

PACIFIC IN VITRO FERTILIZATION INSTITUTE

QUEENS HEALTH SYSTEMS

QUEEN'S HOSPITAL MEDICAL CENTER

STRAUB CLINIC & HOSPITAL

UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)

WAIANAE COAST COMPREHENSIVE HEALTH CTR

Hawaii- Non-Profit Organizations

ANGUS FOUNDATION, MYRA & JEAN KENT

BIG ISLAND RESOURCE CONSERVATION & DEV COUNCIL INC.

CONSUELO ZOBEL ALGER FOUNDATION

Daughters of Hawaii

Domestic Violence Action Center

EARTHJUSTICE LEGAL DEFENSE FUND Epstein (Jean Estes) Charitable Foundation

GENERAL CONTRACTORS ASSOC HI EDUCATIONAL FOUNDATION

Hanalani Schools

HAUOLI MAU LOA FOUNDATION

HAWAII ASSOCIATION INDEPENDENT SCHOOLS

Hawaii Cancer Consortium

HAWAII COMMUNITY FOUNDATION (HCF)

HAWAII COMMUNITY FOUNDATION DANIEL K INOUYE INSTITUTE FD

HAWAII COMMUNITY FOUNDATION GEIST FDTN HAWAII COMMUNITY FOUNDATION MED RSCH FUNDS

Hawaii Health Information Exchange Hawaii P-20 Partnerships for Education HAWAIIAN SILVERSWORD FOUNDATION

HI HOTEL/RESTAURANT IND EMP TRN WORKERS TRUST FUNDS

KOKUA KALIHI VALLEY LEAHI FOUNDATION (HCF) Living Life Source Foundation

Made In Hope

NATURE CONSERVANCY, THE-HAWAII

OCEANIC INSTITUTE-CTR FOR TOP & SUB TROP AQUA (CTSA)

Oceanwide Science Institute

OLELO

PAC RESOURCES FOR ED & LEARNING (PREL)

PAC5

PACIFIC HEALTH RESEARCH & ED INSTITUTE

Pacific Historic Parks

Pacific Island Health Officers Association PARENTS & CHILDREN TOGETHER (PACT) QUEEN LILIOUKALANI CHILDRENS CENTER

School for Examining Essential Questions about Sustainability

Appendix 1

Source of Awards

TRI-ISLE RES CONSERVATION & DEV COUNCIL

UNIVERSITY HAWAII FOUNDATION
Volunteer Legal Services Hawaii
WORLD TURTLE TRUST

Mainland- Business and Other

ADAMA MATERIALS, INC.

AECOM Inc

Aerospace Testing Alliance

ALASKA DEPARTMENT OF FISH AND GAME

ALLERGAN INC
AMERICA VIEW

Amgen Inc

ARGONNE NATIONAL LAB Battelle Energy Alliance, LLC

Biothera

BOEING COMPANY-BOEING LASER TECH SVCS

BROOKHAVEN NATIONAL LABORATORY

Cancer InCITe

Chevron Products Co., Hawaii Refinery

Clear Environment LLC

Community College Natl Ctr for Community Engagement CONCURRENT TECHNOLOGIES CORPORATION

DOW AGROSCIENCES LCC

Dupont Danisco Animal Nutrition

EAST & WEST INC ELI LILLY & COMPANY Evigia Systems, Inc.

Exelixis Inc ExxonMobil Fibertek

GENENTECH INC

GILEAD FOUNDATION - GILEAD SCIENCES INC

Global Broadband Solutions, LLC Graduate Women In Science

HDRe2M

HEALTH RESEARCH INC inVentiv Clinical, LLC
JET PROPULSION LAB-JPL

LOCKHEED MARTIN CORP SPACE SYSTEMS

LSI LOGIC CORPORATION NATHAN ASSOCIATES INC.

NATIONAL CENTER SCIENCE & CIVIC ENG NATIONAL WRITING PROJECT CORP

Northrop Grumman Corporation
Ohana Real Estate Investors LLC

PracticeWise LLC

PSI

QinetiQ North America
QUINTILES INC

RK CONSULTING SAIC - Frederick, Inc.

Sierra Lobo Inc.

SMITHSONIAN ASTROPHYSICAL OBSERVATORY

SPACE TELESCOPE SCIENCE INSTITUTE SWCA ENVIRONMENTAL CONSULTANTS

Tenera Environmental

THIRTY METER TELESCOPE OBSERVATORY CORP

UT-Battelle, LLC Wyle Laboratories, Inc.

Mainland- Health Organizations

AMERICAN FEDERATION FOR AGING RSCH

Beth Israel Deaconess Medical Center CHILDREN'S HOSPITAL BOSTON Children's Hospital of Philadelphia

MARCH OF DIMES

MAYO CLINIC ROCHESTER
RIVERSIDE RESEARCH INSTITUTE
SOUTHWEST ONCOLOGY GROUP

Mainland- Non-Profit Organizations

AMERICAN ASTRONOMICAL SOCIETY

American Bird Conservancy

AMERICAN CHEMICAL SOCIETY-PETROLEUM RSCH FUND

American Speech-Language Hearing Assn

ANHEUSER-BUSCH COMPANIES- AH BUSCH FDTN

Arizona Community Foundation

Association of Directors of Geriatric Academic Programs

ASSOCIATION UNIVERSITIES RESEARCH IN ASTRONOMY, INC.

ASSOCIATION UNIVERSITY CENTER DISABILITIES

BATTELLE MEMORIAL INSTITUTE

CADES FOUNDATION (J RUSSELL/CHARLOTTE MCL)

Cancer Prevention Institute of California
CARNEGIE INSTITUTE WASHINGTON
CASEY, ANNIE E., FOUNDATION
Commonwealth Healthcare Corporation
Conservation International - Hawaii Fish Trust
CONSORTIUM FOR OCEAN LEADERSHIP
Council on International Educational Exchange

DentaQuest Foundation

Electricore. Inc.

Foundational Questions Institute
Gynecologic Oncology Group

INSTITUTE INTERNATIONAL EDUCATION
JOHNSON (ROBERT WOOD) FOUNDATION

m.powerment by mark.

Marine Biological Laboratory

Michael J. Fox Foundation for Parkinson's Research

Monterey Bay Aquarium

Appendix 1

Source of Awards

NATIONAL ACADEMIES

National Collegiate Inventors and Innovators Alliance NATIONAL FISH & WILDLIFE FOUNDATION

NATIONAL FOUR-H COUNCIL (4-H)

Natl Assn of State Depts of Agriculture Research Foundation

NATURE CONSERVANCY. THE

Open-source Project for a Network Data Access Protocol Inc

PACKARD FOUNDATION, DAVID & LUCILE

RAND Corporation
Rising Tide Conservation

SEATTLE INSTITUTE FOR BIOMEDICAL & CLINICAL RESEARCH

SETI Institute
Simons Foundation

Society for Simulation in Healthcare Research Committee

Society of Family Planning

SOUTHWEST RESEARCH INSTITUTE

St. Baldrick's Foundation

TEMPLETON (JOHN) FOUNDATION
The Doctors Company Foundation

THE DONALD W REYNOLDS FOUNDATION

THE V FOUNDATION

Trent & Company Foundation

UNIVERSITIES SPACE RESEARCH ASSN UNIVERSITY CORP ATMOSPHERIC RSCH

USA Funds

WESTERN STATES ART FEDERATION (WESTAF)

US Colleges and Universities

ALASKA FAIRBANKS, UNIVERSITY OF

ARIZONA STATE UNIVERSITY ARIZONA. UNIVERSITY OF

Bowdoin College

CALIFORNIA BERKELEY, UNIVERSITY OF

CALIFORNIA COMMUNITY COLLEGES-CHANCELLORS OFC

CALIFORNIA DAVIS, UNIVERSITY OF CALIFORNIA INST OF TECHNOLOGY CALIFORNIA IRVINE, UNIVERSITY OF CALIFORNIA LOS ANGELES, UNIV CALIFORNIA SAN FRANCISCO, UNIV California Santa Barbara, University of

CHAMINADE UNIVERSITY
CLEMSON UNIVERSITY
COLORADO, UNIVERSITY OF
COLUMBIA UNIVERSITY

CONNECTICUT, UNIVERSITY OF

CORNELL UNIVERSITY DARTMOUTH COLLEGE

DREW, CHARLES R, UNIVERSITY FLORIDA, UNIVERSITY OF CENTRAL

GALLAUDET UNIVERSITY
GEORGIA STATE UNIVERSITY
GEORGIA, UNIVERSITY OF

HAWAII PACIFIC UNIVERSITY
ILLINOIS. UNIVERSITY OF

Iowa State University

JOHNS HOPKINS UNIVERSITY KANSAS STATE UNIVERSITY

LANGUAGE LEARNING PGM-UNIV MICHIGAN LORAIN COUNTY COMMUNITY COLLEGE

Los Rios Community College MARYLAND, UNIVERSITY OF

MASSACHUSETTS INSTITUTE OF TECH

Massachusetts, University of MIAMI, UNIVERSITY OF MICHIGAN STATE UNIVERSITY MINNESOTA, UNIVERSITY OF Montclair State University

NEVADA LAS VEGAS, UNIVERSITY OF NEW HAMPSHIRE, UNIVERSITY OF NEW MEXICO STATE UNIVERSITY NEW MEXICO, UNIVERSITY OF

NORTH CAROLINA CHAPEL HILL, UNIV NORTH CAROLINA STATE UNIVERSITY

Northern Arizona University NOTRE DAME, UNIVERSITY OF

Ohio State University

OREGON STATE UNIVERSITY OREGON, UNIVERSITY OF PITTSBURGH, UNIVERSITY OF

Princeton University
PURDUE UNIVERSITY

Rice University

RUTGERS. STATE UNIVERSITY OF NEW JERSEY

SOUTH DAKOTA STATE UNIVERSITY SOUTHERN CALIFORNIA, UNIVERSITY OF

STANFORD UNIVERSITY

TENNESSEE-KNOXVILLE, UNIVERSITY OF

TEXAS A&M UNIVERSITY

Texas A&M University-Corpus Christi TEXAS SOUTHWESTERN MED CTR, UNIV The Administrators of the Tulane Educational Fund

United States Air Force Academy

UNIVERSITY KANSAS CENTER RESEARCH, INC.

UTAH STATE UNIVERSITY

VIRGINIA POLYTECHNIC INST & STATE UNIV

WASHINGTON, UNIVERSITY OF WYOMING, UNIVERSITY OF

YALE UNIVERSITY