



October 25, 2010

MEMORANDUM

TO: Kate Stanley, Chair
Legislative Federal Economic Stimulus Program Oversight Commission

FROM: M.R.C. Greenwood, President
University of Hawai'i

A handwritten signature in black ink that reads 'MRC Greenwood'.

SUBJECT: ARRA Program
State Fiscal Stabilization Funds (SFSF)
(U.S. Department of Education)

Award Number
S394A090012

Project Title
SFSF Part A - Education Grants
(Prime Recipient: Office of the Governor)
(Sub-Recipient: University of Hawai'i)

As requested by the Commission's letter dated September 14, 2010, the University of Hawai'i provides the following information regarding State Fiscal Stabilization Funds (SFSF) Part A, Education Grants. The Governor's Office is the prime recipient of this award and is responsible for overall administration and reporting. The University (as a sub-recipient) is providing this update regarding our use of the funds for informational purposes.

(1a) *A brief project description*

State Fiscal Stabilization Funds were awarded to the Office of the Governor by the US Department of Education to help stabilize State and local budgets in order to minimize reductions in education and other essential services. The University of Hawai'i is a sub-recipient of these funds from the Governor's Office. At the

University, the Part A funds (Education Grants) are being used to partially offset general fund restrictions imposed by the State Legislature. The focus has been on effectively utilizing the funds to retain jobs and stabilize operations in order to mitigate any negative impact on student success. In accordance with the terms of the Memorandum of Agreement between the Governor of the State of Hawai'i, the Department of Education, and the University of Hawai'i dated October 6, 2009, the funds are being used to reimburse payroll expenses for instructional positions at the University of Hawai'i at Manoa and all Community College campuses. (See attached.)

(1b) Information on the amount of funds secured, encumbered, and/or expended to date

As of October 8, 2010:

Secured:	\$46,751,798.00
Encumbered:	\$ 0 (payroll reimbursement)
Expended:	\$21,699,977.60

(1c) Information on any competitive grants for which the Department has applied, lost, and/or obtained and, if applicable, any explanation as to the reason for the failure to secure such grants

Not applicable. The University is a sub-recipient of SFSF Part A – Education Grants.

(1d) Information on any funds that have been returned to the federal government and, if so, why

Not applicable. The University is a sub-recipient of SFSF Part A – Education Grants.

(2) Information on whether the Department's plans for ARRA funded projects are available on the State's ARRA website and, if not, why and/or when such information will be made available

Not applicable. The University is a sub-recipient of SFSF Part A – Education Grants. (However, information regarding how the University is spending these funds is summarized on the State's ARRA website.)

Kate Stanley
October 25, 2010
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- (3) ***Information on any problems or concerns the Department has encountered in securing and/or expending ARRA funds or with satisfying any reporting requirements.***

None.

Please feel free to contact Howard Todo, Vice President and Chief Financial Officer at htodo@hawaii.edu or 956-8903, if you have any questions or require additional information.

Attachment

c: Howard Todo, VP for Budget & Finance/Chief Financial Officer

ATTACHMENT

State Fiscal Stabilization Funds: Part A - Education Grants
University of Hawaii

Campus	Description of Activities	Funds Secured	Funds Encumbered	Funds Expended*
University of Hawaii - Manoa Campus	Education Stabilization funds are being used to reimburse the salaries of instructional positions. The focus is on protecting teaching faculty to the extent possible so that any potential negative impact to undergraduate classes will be mitigated.	\$32,831,798.00	\$0.00	\$14,739,977.60
University of Hawaii - Community Colleges	Education Stabilization funds are being used to reimburse the salaries of instructional lecturers at all Community College campuses. ARRA funds are being effectively used to retain jobs and stabilize operations while meeting the demands of increasing student enrollment.	\$13,920,000.00	\$0.00	\$6,960,000.00
		\$46,751,798.00	\$0.00	\$21,699,977.60

* Drawdowns received as of October 15, 2010



October 25, 2010

MEMORANDUM

TO: Kate Stanley, Chair
Legislative Federal Economic Stimulus Program Oversight Commission

FROM: M.R.C. Greenwood, President
University of Hawai'i

A handwritten signature in black ink that reads "M.R.C. Greenwood".

SUBJECT: ARRA Program
State Fiscal Stabilization Funds (SFSF)
(U.S. Department of Education)

Award Number
S397A090012

Project Title
SFSF Part B - Government Services
(Prime Recipient: Office of the Governor)
(Sub-Recipient: University of Hawai'i)

As requested by the Commission's letter dated September 14, 2010, the University of Hawai'i provides the following information regarding State Fiscal Stabilization Funds (SFSF) Part B, Government Services. The Governor's Office is the prime recipient of this award and is responsible for overall administration and reporting. The University (as a sub-recipient) is providing this update regarding our use of the funds for informational purposes.

(1a) A brief project description

State Fiscal Stabilization Funds were awarded to the Office of the Governor by the US Department of Education to help stabilize State and local budgets in order to minimize reductions in education and other essential services. ARRA authorizes states to use SFSF Part B funds (Government Services) for public safety and other government services, which may include assistance for elementary and secondary education and public institutions of higher education. The University of Hawai'i is a sub-recipient of these funds from the Governor's

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Office. As directed by the Governor's Office, the Government Services funds are being used to support Science, Technology, Engineering and Mathematics (STEM) programs, as well as the Music and Entertainment Learning Experience (MELE) program. (See attachment for program details.)

(1b) Information on the amount of funds secured, encumbered, and/or expended to date

As of October 8, 2010:

Secured:	\$4,872,711.00	
Encumbered:	\$ 0	(reimbursement basis)
Expended:	\$1,080,542.59	

(1c) Information on any competitive grants for which the Department has applied, lost, and/or obtained and, if applicable, any explanation as to the reason for the failure to secure such grants

Not applicable. The University is a sub-recipient of Government Services Funds.

(1d) Information on any funds that have been returned to the federal government and, if so, why

Not applicable. The University is a sub-recipient of Government Services Funds.

(2) Information on whether the Department's plans for ARRA funded projects are available on the State's ARRA website and, if not, why and/or when such information will be made available

Not applicable. The University is a sub-recipient of Government Services Funds. (However, the University's use of SFSF Part B funds is summarized on the State's ARRA website.)

(3) Information on any problems or concerns the Department has encountered in securing and/or expending ARRA funds or with satisfying any reporting requirements.

None.

Please feel free to contact Howard Todo, Vice President and Chief Financial Officer at htodo@hawaii.edu or 956-8903 if you have any questions or require additional information.

Attachment

c: Howard Todo, VP for Budget & Finance/Chief Financial Officer

ATTACHMENT

State Fiscal Stabilization Funds: Part B - Government Services
University of Hawaii

Campus/Program	Description of Activities	Funds Secured	Funds Encumbered	Funds Expended*
University of Hawaii - Manoa Campus Fostering Inspiration and Relevance through Science and Technology (FIRST) Pre-Academies	FIRST Pre-Academy is a voluntary program supporting middle school teachers who will provide students with problem-based, applied learning experiences in science, technology, engineering and mathematics (STEM) pursuant to Act 111 of 2007. The goal is to expand the FIRST Pre-Academies to every public middle school by school year 2012. The general objectives of the FIRST Pre-Academy program are to: 1) Support middle school teachers in motivating and engaging students in STEM subjects; 2) Provide technical support to teachers in the development and implementation of relevant STEM curriculum; 3) Continue program expansion to include all 80 interested public schools statewide; 4) Establish partnerships with other relevant programs in academe, industry and public and private agencies; and 5) Provide an intuitive web portal for additional teacher support, program documentation and data access.	\$3,063,000.00	\$0.00	\$780,543.34
University of Hawaii - Hilo Campus	Funds will be used to reimburse the salaries of specified positions, with a preference for those positions involved in the instruction of the physical sciences, including, but not limited to, astronomy, biology, engineering, physics and mathematics.	\$600,000.00	\$0.00	\$299,999.25
University of Hawaii - Honolulu Community College Music & Entertainment Learning Experience (MELE)	The SF-SF Part B funds will help Honolulu Community College's Music and Entertainment Learning Experience program to further establish and strengthen music and entertainment industry relationships through partnership with government and industry. The funds will be used to: 1) Expand the MELE program through targeted recruitment and retention initiatives; 2) Renovate campus facilities; 3) Increase faculty hours to support the development and implementation of project-based learning experiences; 4) Provide noncredit and professional development opportunities for Hawaii's music and entertainment industry; and 5) Design and implement a third-year curriculum.	\$1,209,711.00	\$0.00	\$0.00
		\$4,872,711.00	\$0.00	\$1,080,542.59

* Drawdowns received as of October 15, 2010



October 25, 2010

MEMORANDUM

TO: Kate Stanley, Chair
Legislative Federal Economic Stimulus Program Oversight Commission

FROM: M.R.C. Greenwood, President
University of Hawai'i *M.R.C. Greenwood*

SUBJECT: ARRA Program
Competitive Grants and Contracts

Award Number
Various – refer to Exhibit 1

Project Title
Various – refer to Exhibit 1

As requested by the Commission's letter dated September 14, 2010, the University of Hawai'i provides the following information regarding its competitive ARRA Grants and Contracts that are still active:

(1a) A brief project description

The University of Hawai'i has received competitive ARRA awards totaling approximately \$115 million to provide and/or upgrade broadband fiber optic connectivity and wireless connections, and to conduct research and training primarily in the scientific and health-related fields. A summary of the currently active awards by sponsoring agency is presented below:

SPONSORING AGENCY	NO. OF AWARDS	GOALS
Department of Commerce	2	Provide and/or upgrade broadband fiber optic connectivity and wireless connections

SPONSORING AGENCY	NO. OF AWARDS	GOALS
Department of Energy	4	<ul style="list-style-type: none"> • Research on Distributed Electricity Systems • Develop new cross-disciplinary program in renewable energy, energy efficiency and smart grid technologies • Restore and improve infrastructure of High Energy Physics Dept.
Department of Health & Human Services / National Institute of Health	31	<p>Various research and training related to the following:</p> <ul style="list-style-type: none"> • Allergy & Infectious Diseases • Biomedical Training • Cancer • Cardiovascular Diseases • Child Health Development • Clinical Research • Diabetes, Digestive, Kidney Diseases • General Medicine • Genome • Heart, Lung, Blood • Mental Health • Nursing
Department of Interior	2	<ul style="list-style-type: none"> • Understanding volcanic eruptions • Volcanic gas measurement and prediction
Department of Justice	1	Research on Internet and Technology Facilitated Crimes Against Juveniles
National Science Foundation	37	<p>Various scientific research and training related to:</p> <ul style="list-style-type: none"> • Astronomy • Biological and Life Sciences • Marine Science and Oceanography • Physical and Earth Sciences <p>Provide and improve connectivity for science and technology research and education</p>

Refer to Exhibit 1 for details of the individual competitive awards.

(1b) Information on the amount of funds secured, encumbered, and/or expended to date

As of September 30, 2010 (end of most recent federal reporting period):

Secured:	\$114,996,984
Encumbered:	\$ 3,128,483
Expended:	\$ 10,341,048

(1c) Information on any competitive grants for which the Department has applied, lost, and/or obtained and, if applicable, any explanation as to the reason for the failure to secure such grants

Principal Investigators submit proposals based upon fields of study with approval from Deans / Directors. Competitive grants are announced and approved or denied by the awarding agencies. Details of competitive awards received are provided in Exhibit 1.

(1d) Information on any funds that have been returned to the federal government and, if so, why

None.

(2) Information on whether the Department's plans for ARRA funded projects are available on the State's ARRA website and, if not, why and/or when such information will be made available

Yes, the State's ARRA website will be updated with September 30, 2010 information by October 31, 2010. The State's website also contains a link to the University's Office of Research Services website, where information regarding the individual projects (including project goals) is available.

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(3) *Information on any problems or concerns the Department has encountered in securing and/or expending ARRA funds or with satisfying any reporting requirements.*

The following concerns are noted in satisfying ARRA reporting requirements and meeting short deadlines for quarterly reporting:

- unique reporting requirements implemented by individual federal agencies
- revisions to reporting requirements announced by OMB and selected federal agencies within a week of the quarter end

Please contact Yaa-Yin Fong, Director, Office of Research Services at 956-7800 or yaayin@hawaii.edu if you have any questions or require additional information.

Attachment

c: Howard Todo, VP for Budget & Finance/Chief Financial Officer
Yaa-Yin Fong, Director, Office of Research Services

ARRA COMPETITIVE GRANTS AND CONTRACTS
 UNIVERSITY OF HAWAII
 (as of September 30, 2010)

Sponsoring Agency	Award #	Project Title	Major Goals	Award Date	Start Date	End Date	Secured	Encumbered	Expended
1 Department of Commerce	15-42-B10561	Access for All: Hawaii Statewide Public Computing Centers	Provide public computing facilities and wireless access in community colleges, public libraries and education centers on all islands throughout the State of Hawaii.	9/13/10	9/1/10	8/31/13	1,949,360.00	-	-
2 Department of Commerce	NT10BIX5570140	Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges, Universities and Libraries	Provide/upgrade fiber optic connections and associated networking equipment at all University of Hawaii Community colleges, universities and educational centers, all Hawaii Public Schools and all Hawaii Public Libraries.	8/12/10	9/1/10	8/31/13	33,972,800.00	-	-
3 Department of Energy	DE-FC26-08NT02871	Research on Distributed Electricity Systems Resources, Amndt 001	Managing distribution system resources for improved service quality and reliability, transmission congestion relief, and grid support functions. Amendment 001 involves the awarding of funds from the American Recovery and Reinvestment Act of 2009 (Recovery Act). Recovery Act funds come with a different set of terms and conditions compared to the original funds.	7/17/09	10/1/08	9/30/12	5,548,585.00	-	-
4 Department of Energy	DE-OE00000394	Integrated Education and Research in Clean Energy and Island Sustainability	This project will develop a new cross-disciplinary program at the University of Hawaii Manoa that will include research and curricula in the areas of renewable energy, energy efficiency, and smart grid technologies. The program will produce graduates at B.S., M.S., and Ph.D. that are trained to get energy related jobs.	5/4/10	5/1/10	6/30/13	2,500,000.00	-	17,465.88
5 Department of Energy	DE-FG02-04ER41291	RECOVERY ACT - Updating and Improving HEP Infrastructure at the University of Hawaii	A one-time Federal Stimulus Fund disbursement to restore and improve infrastructure of the Department of Energy High Energy Physics University Groups. Receipt of requested equipment will foster improvements in the quality of our current and future research	8/9/10	12/1/08	11/30/10	137,000.00	9,990.00	124,485.25
6 Department of Energy	DE-OE00000430	Smart Grid Curriculum Development Project	Develop curriculum for training technicians in the design, deployment and maintenance of Smart Grid electric power transmission and distribution.	7/30/10	7/30/10	7/29/12	750,000.00	-	-
7 Dept of Health and Human Services	3R01HL080532-03S2	Transcriptional and Physiological Analysis of Cardiac HIF-1	We will identify the immediate downstream targets of HIF-1 transcriptional activation in vivo; measure the contribution of carbohydrates, long chain fatty acids and other substrates to energy production in the heart with HIF-1 over expression, define the angiogenic effects of HIF-1 over expression in the heart.	6/1/09	6/1/09	10/31/10	66,005.00	-	64,338.53

**ARRA COMPETITIVE GRANTS AND CONTRACTS
UNIVERSITY OF HAWAII
(as of September 30, 2010)**

Sponsoring Agency	Award #	Project Title	Major Goals	Award Date	Start Date	End Date	Secured	Encumbered	Expended
8 Dept of Health and Human Services	1R21CA109712-01A1	Neuroimaging to Assess the Effects of Therapy in Children with Acute Lymphoblastic Leukemia	The objective is to understand the effects of chemotherapy on the brain in children diagnosed with leukemia using sensitive magnetic resonance imaging techniques.	6/19/09	6/20/09	5/31/11	608,962.00	-	158,890.33
9 Dept of Health and Human Services	3P20RR016463-07S1	COBRE, Center for Cardiovascular Research	This supplement award supports a local high school science teacher to participate in summer opportunities in a biomedical laboratory.	7/13/09	7/13/09	9/30/10	95,170.00	4,532.50	70,343.45
10 Dept of Health and Human Services	3 R01 NR007883-05S2	Cognitive Behavioral Intervention in Diabetes Self-Management	The purpose of this study is to develop and conduct pilot testing of a tool to assess dietary intake for Filipino-Americans, and to identify relationships between dietary intake and outcome measures for the diabetes prevention lifestyle intervention, i.e./the parent grant.	7/17/09	7/17/09	5/31/11	207,781.00	-	104,636.65
11 Dept of Health and Human Services	3R25DK076386-03S1	High School Students STEP-UP to Biomedical Research	To provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.	7/16/09	8/1/09	7/31/11	154,872.00	-	154,695.68
12 Dept of Health and Human Services	1R21AI074834-01A2	Altered Peptide Ligands and Immunopathogenesis of Dengue Virus Infection	We aim to understand the mechanisms contributing to pathogenesis of severe disease. Our study findings are directly applicable to dengue vaccine design that may improve safety by avoiding potential cross-reactivity in T cell responses.	7/17/09	7/17/09	6/30/11	399,100.00	2,972.18	189,553.49
13 Dept of Health and Human Services	1F31A081450-01A1	HIV DNA in CNS Compartments in Relation to HIV-Associated Neurocognitive Disorders	The goal of the project is to train the applicant in neuroAIDS research as a predoctoral student by studying the role that HIV plays in Causing HIV-associated neurocognitive problems. Dr. Shiramizu will be the mentor for Melissa Agsald.	7/22/09	8/1/09	7/31/11	82,566.00	1,627.50	40,768.13
14 Dept of Health and Human Services	3K24MH074468-04S1	Mentoring/Career Development in PTSD Services Research (ARRA)	Administrative supplement to support and accelerate the tempo of current study aims of the parent grant.	7/31/09	7/1/09	6/30/10	49,950.00	-	44,282.60
15 Dept of Health and Human Services	3R01CA115614-03S1	Administrative Supplements for: Physical Activity in Women with Infants	The purpose of this administrative supplement is to increase recruitment efforts by targeting women who had gestational diabetes during their last pregnancy. Enrolling more women who had a history of gestational diabetes will allow us to investigate physical activity increases in this high risk populations.	8/31/09	8/1/09	7/31/11	232,529.00	35,972.49	102,132.21

ARRA COMPETITIVE GRANTS AND CONTRACTS
 UNIVERSITY OF HAWAII
 (as of September 30, 2010)

Sponsoring Agency	Award #	Project Title	Major Goals	Award Date	Start Date	End Date	Secured	Encumbered	Expended
16 Dept of Health and Human Services	3R01DK079684-03S1	Administrative Supplement for: Multimedia Intervention to Motivate Ethnic Minority Teens to be Designated Donor	The purpose of this administrative supplement is to increase recruitment efforts on the three other islands, in addition to Oahu, in order to increase the proportion of ethnic minority adolescents who live in rural areas and to increase proportion of study sample that is from low-income households.	8/29/09	9/1/09	7/31/11	128,111.00	-	44,816.94
17 Dept of Health and Human Services	3R01CA111419-04S2	Role of Polyamines in MYCN-Amplified Neuroblastoma	Research relates to active R01 which examines the role of polyamines and polyamine inhibitors in the pediatric cancer neuroblastoma and is in direct response to the "Notice of Availability of Recovery Act Funds for Administrative Supplements NOT-OD-056.	9/1/09	8/1/09	6/30/10	111,994.00	-	111,764.28
18 Dept of Health and Human Services	3P25RR019321-05S1	Master in Clinical Research	Offer Master's program in Clinical Research	9/9/09	9/9/09	9/8/10	296,612.00	-	227,037.33
19 Dept of Health and Human Services	3G12RR003061-24S1	Research Outcomes Accelerating Discoveries for Medical Applications and Practice	The RCMt Program aims to further develop research excellence in biomedicine and health by fostering translational research linking basic science and clinical medicine. Research activities include biomedical imaging and bioengineering, bioactive nutrients, tropical infectious diseases detection and prevention and expanded biostatistics and computer core support services.	9/15/09	9/15/09	9/14/11	880,333.00	-	368,981.27
20 Dept of Health and Human Services	3P20RR024206-02S1	IBR COBRE Supplement	Research will be focused on an analysis of the location of transgene insertion sites that will be done using a transposon integration system. Recombination technology will be used to increase the size of inserted genes by using bacterial chromosomes. Funds from the supplement will go to new hiring of two graduate assistants.	8/23/09	8/24/09	8/23/11	154,231.00	-	76,338.92
21 Dept of Health and Human Services	3P20RR016453-08S1	Translational ARRA Supplement to COBRE: Center for Cardiovascular Research	This supplement award supports augmented research core services to the Center for Cardiovascular Research.	9/17/09	9/17/09	9/16/11	934,610.00	-	301,406.28
22 Dept of Health and Human Services	3R01CA126895-02S1	Whole Genome Scan for Modifier Genes in Colorectal Cancer	The purpose of this supplement is to expand the study population of the parent grant and to conduct a genome-wide scan of colorectal cancer among African Americans.	9/23/09	9/30/09	9/29/11	1,802,665.00	72,525.67	78,152.30

ARRA COMPETITIVE GRANTS AND CONTRACTS
 UNIVERSITY OF HAWAII
 (as of September 30, 2010)

Sponsoring Agency	Award #	Project Title	Major Goals	Award Date	Start Date	End Date	Secured	Encumbered	Expended
23 Dept of Health and Human Services	3R24MD001660-05S1	Pili Ohana Program: Partnerships to Overcome Obesity Disparities in Hawaii	This competing continuation proposal seeks funding for a 5-year intervention project on weight loss maintenance among Native Hawaiians and Pacific Peoples based on a community-based participatory research model.	9/18/09	9/18/09	9/17/11	600,000.00	316,385.30	200,587.90
24 Dept of Health and Human Services	3U01HG004802-02S1	Epidemiology of Putative Causal Variants in the Multiethnic Cohort	This project will study 180,000 genetic variants in relation to obesity, diabetes and metabolic biomarkers in the Multiethnic Cohort study. The information generated will be critical to determine the health impact of disease associated variants and will provide valuable insights into disease pathways and mechanisms.	9/30/09	9/30/09	8/31/11	1,018,523.00	-	566,493.94
25 Dept of Health and Human Services	2P01CA033619-21A1	Molecular Epidemiology of Nutrition and Cancer in the Multiethnic Cohort Study	To take advantage of the newly established Multiethnic Cohort Study biorepository to conduct biomarker studies of cancer etiology and survival (using blood, DNA, and urine samples) in the Multiethnic Cohort Study.	9/30/09	9/30/09	8/31/11	4,295,090.00	317,565.66	966,793.18
26 Dept of Health and Human Services	3P30CA071789-12S6	Cancer Research Center of Hawaii	Assess current informatics systems at CRCH and develop an implementation plan for adopting in the three caBIG ₂ software bundles.	9/28/09	9/28/09	9/27/11	1,313,830.00	85,409.03	181,395.78
27 Dept of Health and Human Services	3P30CA071789-12S7	Cancer Research Center of Hawaii	Assess current informatics systems at CRCH and develop an implementation plan for adopting in the three caBIG ₂ software bundles.	9/30/09	9/30/09	9/28/11	1,299,007.00	41,316.25	170,443.50
28 Dept of Health and Human Services	3R37CA054281-17S1	Multiethnic Cohort Study of Diet and Cancer	Allow re-calibration of CRCH Food Frequency Questionnaires (FFQs) using more accurate 24-hour recall methodology; provide evaluation of the relative accuracy of original and revised FFQs; contribute to development of more accurate measures of long-term intakes that can be used to test cancer etiology hypotheses.	9/15/09	9/1/09	8/31/11	287,319.00	8,590.00	66,783.28
29 Dept of Health and Human Services	3R25RR024281-02S1	Pacific Education and Research for Leadership in Science (PEARLS) - Administrative Supplement for Science Education	Additional funding is requested for travel, curricular supplies and staff time to provide science teacher training in the rural and isolated areas of the Pacific. The planned activities include expanded foundational science teacher education and train-the-trainer seminars.	9/24/09	9/24/09	9/23/11	188,708.00	13,977.65	130,255.37

**ARRA COMPETITIVE GRANTS AND CONTRACTS
UNIVERSITY OF HAWAII
(as of September 30, 2010)**

Sponsoring Agency	Award #	Project Title	Major Goals	Award Date	Start Date	End Date	Secured	Encumbered	Expended
30 Dept of Health and Human Services	HHSN2612010000171	RFQ-NCI-10007-AS Endometrial carcinoma (blood normal)-CLIN 1	Special Handling: None 1 RFQ-NCI-10007-AS Serous endometrial 6 cases at \$2,187 a case; Grade 3 endometrial 21 cases at \$2,187 a case; Grade 1-2 endometrial 40 cases at \$2,187 a case all blood normal (see attached payment schedule); Total minimum payment is payment 1 of 1 case at \$546.75. Total maximum payment is payments 1 through 4 for 67 cases at \$146,529 (see attached payment schedule) Product/Service Code: 6550 Product/Service Description: IN VITRO DOMESTIC SUBST, REAGENTS, TEST	3/19/10	3/19/10	3/18/12	157,159.00	-	-
31 Dept of Health and Human Services	3R21AI076955-02S1	Novel Engineering of a P. falciparum Merozoite Surface Protein 1 Malaria Vaccine	To develop a blood stage vaccine against human malaria.	4/12/10	4/12/10	3/31/11	68,069.00	2,878.48	30,532.63
32 Dept of Health and Human Services	3R25DK078386-04S1	High School Students Step-Up to Biomedical Research	Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.	5/21/10	5/21/10	5/21/11	453,404.00	-	2,749.11
33 Dept of Health and Human Services	909C0012	Hawaii County Beacon Community Consortium	Health Information Technology in Hawaii County	5/4/10	4/1/10	3/31/13	16,091,390.00	-	2,054.92
34 Dept of Health and Human Services	3P20MD000173-09S1	Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples	This new revision application includes four Comparative Effectiveness Research (CER) approaches that will enable the Center for Native and Pacific Health Disparities Research to integrate comparative effectiveness research methods with existing health dis	7/31/10	7/31/10	5/31/12	1,400,000.00	-	358.50
35 Dept of Health and Human Services	1D76HP20776-01-00	Pacific Simulation Training Centers	The Hawaii/Pacific and Guam AHEC programs will collaborate to establish seven regional simulation centers for training in health care services including nursing, medical technician, pharmacy technician, medical and interdisciplinary training and clinical	9/2/10	9/1/10	8/31/11	259,634.00	-	-
36 Dept of Health and Human Services	1D76HP20523-01-00	Educational Equipment to Enhance Baccalaureate Clinical Educational Experiences	Application for equipment to enhance education and training of undergraduate baccalaureate nursing students.	9/3/10	9/1/10	8/31/11	300,000.00	-	-
37 Dept of Health and Human Services	1D76HP20570-01-00	Educational Equipment to Enhance Advanced Education in Nursing	Application for equipment to enhance education and training of advanced education of nurses.	9/1/10	9/1/10	8/31/11	300,000.00	-	-

ARRA COMPETITIVE GRANTS AND CONTRACTS
 UNIVERSITY OF HAWAII
 (as of September 30, 2010)

Sponsoring Agency	Award #	Project Title	Major Goals	Award Date	Start Date	End Date	Secured	Encumbered	Expended
38 Department of Interior	G10AC00030	Understanding of Basaltic Eruption Dynamics and Mechanisms: Effusive and Explosive Eruptions in Hawaii	Models for the eruptions of Kilauea based on the activity of 2008-2009.	12/1/09	12/1/09	9/15/11	90,000.00	828.50	34,051.66
39 Department of Interior	G10AC00035	VOG Measurement and Prediction (VMAP) Project	This proposal will develop accurate and timely volcanic gas forecasting using gas dispersion and wind models, and the development of near real-time volcanic gas emission rate measurements.	12/1/09	12/1/09	9/15/11	331,000.00	-	146,196.80
40 Department of Justice	2009-SN-59-0003	OJJDP FY 09 Recovery Act Internet Crimes Against Children Research Grants	The primary goal is to collect baseline data about the habits and patterns of internet media usage by juveniles so that law enforcement can better prepare themselves for preventative measures and strategies for prevention of crimes. Secondary goals are to collect data from parents and teachers about concerns and readiness.	8/31/09	7/1/09	6/30/11	435,669.00	2,031.41	187,829.07
41 National Science Foundation	OCE-0849747	Dynamics of the Descending Branch of the Atlantic Meridional Overturning Circulation	To understand the fundamental, 3-dimensional dynamics of the Atlantic Meridional Overturning Circulation's large-scale descending branch, including its dependence on horizontal and vertical mixing, buoyancy fluxes, winds, bottom topography and basin geometry, and southern-hemisphere forcing.	6/1/09	6/1/09	5/31/12	443,595.00	-	132,787.98
42 National Science Foundation	IOS-0845116	Learning and Cognition in Honeybees	This grant proposal is for behavioral experiments with honeybees focused on short-term memory, concept learning, and relational learning.	6/13/09	6/15/09	5/31/12	210,000.00	-	46,573.10
43 National Science Foundation	ATM-0902551	Collaborative Research: P2C2-- Toward Improved Projections of the Climate Response to Anthropogenic Forcing: Combining Proxy and Instrumental Observations with an Earth System Model	To explore the possibility for future abrupt climate change using an Earth System Model of Intermediate Complexity.	6/18/09	6/15/09	5/31/12	228,676.00	-	50,965.30
44 National Science Foundation	IOS-0919878	Concentration Gradients of Activator and Inhibitors of Cellular Differentiation in a Filamentous Cyanobacterium	Characterize the mechanism of pattern formation in a multicellular cyanobacterium.	6/18/09	9/1/09	8/31/11	233,789.00	5,966.25	72,305.43
45 National Science Foundation	OCE-0902869	Collaborative Research: Reconstructing Deep Sea Acidification During the Paleocene-Eocene Thermal Maximum	Investigate changes in past ocean chemistry in order to improve understanding and forecast of future changes.	6/25/09	7/1/09	6/30/11	164,710.00	-	19,545.69

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46 National Science Foundation	OCE-0927089	Understanding Paleo-Climatic Tools: Effects of Carbonic Anhydrase and Mg on Oxygen Isotopes in Dissolved and Solid Carbonate	Using laboratory experiments, the project results will significantly contribute to understanding tools that are widely used to reconstruct the climate of the past.	6/25/09	8/1/09	7/31/12	248,760.00	220.52	56,495.68
47 National Science Foundation	DEB-0918341	Ecological Diversity, Systematics, and Conservation of Hawaii's Endemic Hypomocoma	A phylogenetic analysis of Hawaii's endemic aquatic and terrestrial Hypomocoma mollusks based on both morphological and molecular data.	6/26/09	8/1/09	7/31/12	421,886.00	-	138,181.42
48 National Science Foundation	EEC-0852082	REU Site: University of Hawaii (UH) High Performance Computing (HPC) Computational Fluid Dynamics (CFD) Applications in Engineering	This grant will provide Research Experiences for Undergraduates for ten undergraduate students during the summer for three consecutive years. They will learn computational fluid dynamics applications in engineering using high performance computing under the guidance of faculty and graduate students.	7/6/09	9/1/09	8/31/12	295,222.00	23,250.00	86,641.65
49 National Science Foundation	GEO-0914317	Ocean FEST: Families Exploring Science Together (OEDG Track 1)	Ocean-themed family science nights at elementary schools and marine science education venues in Hawaii.	7/4/09	7/1/09	6/30/12	197,278.00	-	37,842.20
50 National Science Foundation	OCE-0850827	Collaborative Research: Oceanic Diazotroph Community Structure and Activities in a High Carbon Dioxide World	The response of marine nitrogen-fixing microorganism physiology and gene expression will be examined in high carbon dioxide experimental perturbation experiments.	7/6/09	7/15/09	6/30/12	437,859.00	408.08	125,480.20
51 National Science Foundation	EEC-0926632	BRIGE: Minority Education and Research in Biomedical Microdevices - An Optically Controlled Cell Culturing and Harvesting Platform	Design and fabrication of a platform for controlling the growth of living cells during culturing using light. Minority students will be recruited as graduate and undergraduate researchers.	7/17/09	8/1/09	7/31/11	174,635.00	6,903.09	67,216.84
52 National Science Foundation	EAR-0855546	CSEDI Collaborative Research: Influence of Grain-Size Evolution on Global and Regional Mantle Flow and Upper Mantle Seismic Structure	We propose to develop numerical models of viscous flow in the Earth's mantle. These models will include the dynamic effects of an evolving grain size for mantle minerals, which can affect mantle viscosity and rock material properties. We will look for predicted variations in rock properties using seismological observations.	7/21/09	8/1/09	7/31/12	198,950.00	-	42,168.47
53 National Science Foundation	EAR-0911301	The Mantle Melt Column and Melt Migration Revealed by Deglaciation Melting Beneath Iceland's Western Rift Zone	Conduct field mapping and sample collection of late-glacial volcanic rocks in west Iceland for geochemical analysis. Perform numerical modeling of melting processes to compare with the collected data.	7/21/09	8/1/09	7/31/11	295,743.00	600.00	146,800.10

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54 National Science Foundation	OCE-0925916	Collaborative Research: Lateral Mixing and Dispersion on the Inner Shelf	The proposal will improve understanding of horizontal mixing and biological processes in the coastal ocean. This understanding will aid marine resource managers and conservation policy.	7/29/09	9/1/09	8/31/12	378,008.00	16,353.20	143,996.17
55 National Science Foundation	BCS-0926751	Collaborative Research: A Pilot Study of the Spatiotemporal Scales of Diversification in the Pandora Moth/Ponderosa Pine System Using Dendrochronology and Evolutionary Biogeography	This project will examine the temporal and spatial dynamics of pandora moth outbreaks in ponderosa pine forests of western North America through the use of tree-ring and genetic analysis. I am collaborating with Dr. James Speer at Indiana State University. [This is a reworking of NSF Proposal Number 0852065.]	7/29/09	8/1/09	1/31/12	133,363.00	1,886.33	19,531.66
56 National Science Foundation	CMMI-0919584	Collaborative Research: Development of a Fracture Processes Facility at DUSEL Homestake	Dr. Martel will contribute to the preparation of a proposal for experiments to create faults at the homestake deep underground science and engineering laboratory (Dusel) in South Dakota.	8/5/09	8/15/09	7/31/12	37,073.00	-	7,305.83
57 National Science Foundation	GEO-0914516	OEDG Track 1 Proposal: Laulima A "Ike Pono - Community Collaborations in Geosciences and Place-based Education	Scientists and educators at the University of Hawaii Institute of Marine Biology, the Department of Oceanography, and Paepae o He'eia Fishpond propose to develop a community-based research and education partnership that seeks to integrate fundamental research on the biogeochemistry and ecology of Native Hawaiian Fishponds with community education and career training.	7/24/09	8/1/09	7/31/12	197,854.00	-	17,548.09
58 National Science Foundation	OCE-0933884	Effect of Melt Supply on MORB Compositions at Local and Regional Scales	Many scientists use the chemistry of lavas erupted at mid-ocean ridges to map the compositions of the Earth's upper mantle. This project will investigate the role volcanic processes at mid-ocean ridges play in modifying such compositions and the time scales of those processes.	7/28/09	9/1/09	8/31/12	356,191.00	-	51,987.38
59 National Science Foundation	OCE-0926766	The Hawaii Ocean Time-series (HOT): Sustaining Ocean Ecosystem and Climate Observations in the North Pacific Subtropical Gyre	The primary objectives of this study are to examine climate-linked changes in ocean biogeochemistry and physics through monthly research cruises to the North Pacific Ocean.	7/30/09	8/1/09	7/31/13	6,201,878.00	567,885.00	940,747.77

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60 National Science Foundation	CHE-0924324	Internat'l Collaboration in Chemistry: NiH-C-Pd Catalytic Systems (NiH-C = Ni-Heterocyclic Carbene) for the Synthesis of Novel Triarylamine Polymers Containing Fused Heterocyclic Rings	To develop new catalytic systems for the synthesis of novel conjugated polymers by Suzuki-Miyaura and Buchwald-Hartwig couplings under mild reaction conditions. To evaluate the potential of these organic semiconductors in OFETs and in sensor arrays.	8/7/09	9/1/09	8/31/12	346,167.00	4,188.48	139,350.11
61 National Science Foundation	AST-0836053	Akamai Workforce Initiative	The Akamai Workforce Initiative will train and advance local students for science and technology careers, through a new electro-optics curriculum, internships, and professional development of faculty members and graduate students.	7/31/09	8/1/09	7/31/14	2,847,171.00	238,538.41	434,094.40
62 National Science Foundation	OCE-0928741	Collaborative Research: GEOTRACES N Atlantic Section, Shipboard and Shorebased Determination of Key Trace Elements	A better understanding of how global ocean biogeochemical cycles operate.	8/19/09	12/1/09	11/30/12	200,286.00	12,188.30	26,701.47
63 National Science Foundation	SES-0918185	An Exploratory Application of Agent Based Modeling for Policy Evaluations in Hawaii's Longline Fishery	This research attempts to explore the use of Agent Based Model as a flexible and comprehensive alternative for analysis of fishers' responses to alternative fishery policies, using Hawaii's longline fishery as an illustrative example.	8/5/09	8/15/09	7/31/11	287,437.00	99,254.89	75,118.65
64 National Science Foundation	ANT-0839024	Collaborative Research: Modified Circumpolar Deep Water Intrusions as an Iron Source to the Summer Ross Sea Ecosystem	Study the natural iron-fertilization process by upwelled modified circumpolar deep water in the Ross Sea, which is one of the most productive regions in Southern Ocean and how the biotic communities that live in the region react to this fertilization.	8/18/09	9/1/09	8/31/13	377,634.00	-	55,428.38
65 National Science Foundation	ATM-0923580	MRI: Development of Mees Spectropolarimeter for the Photosphere and the Chromosphere for Synoptic Observations of the 3-D Magnetic Field Structure of the Solar Atmosphere	This project will develop a new instrument, called the Mees Spectropolarimeter for the Photosphere and Chromosphere, for observational study of the 3-D magnetic field structure of the solar atmosphere.	8/26/09	9/1/09	8/31/13	1,583,885.00	335,357.43	194,315.24
66 National Science Foundation	ANT-0838714	Collaborative Research: Southern Ocean Current Observations from the U.S. Antarctic Research Vessels, 2010-14	To routinely acquire, process and archive ocean current measurements from hull-mounted shipboard acoustic Doppler current profilers (ADCPs) on board the R/VIB Nathaniel B. Palmer and the ARSV Laurence M. Gould, operated by the United States Antarctic Program.	8/6/09	1/1/10	12/31/12	324,060.00	-	50,603.10

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67 National Science Foundation	ATM-0852620	A Study of Multiple Environmental Influences on the Lightning of a Continental Cumulonimbus Cloud Simulated by a Numerical Model	Atmospheric research.	9/14/09	9/15/09	8/31/12	287,177.00	527.10	74,849.93
68 National Science Foundation	OCE-0943977	2009 Shipboard Scientific Support Equipment	Requisition to augment shipboard scientific equipment of R/V Kilo Moana.	9/14/09	9/15/09	8/31/11	861,092.00	-	573,545.03
69 National Science Foundation	OCE-0946381	EAGER Collaborative Research: The Basalt-Hosted Biosphere Observatory at North Pond, Advanced Instrumentation for Transformative Science	Fabricating a third seafloor cork instrument sled (3rd of 3).	9/18/09	10/1/09	9/30/10	147,696.00	-	145,908.47
70 National Science Foundation	AST-0956897	EAGER: Composite Adaptive Mirrors	Prepare innovative methods to create deformable mirrors that is easily scalable to larger mirrors.	9/21/09	10/1/09	9/30/10	97,412.00	300.00	81,493.21
71 National Science Foundation	AST-0923136	MRI Acquisition: Hawaii-based Undergraduate Leadership in Astronomy [HULA] by Acquiring Instrumentation for an Educational Im-Class Telescope	Acquisition and development of research-grade instruments for installation on the new 36" Hoku Kea telescope on Mauna Kea	9/10/09	9/15/09	8/31/12	141,664.00	-	78,287.31
72 National Science Foundation	EPS-0919607	Collaborative Research: PACMAN - Cyberinfrastructure for Discovering Climate Change Impacts on Water Resources Across Alaska and the Hawaiian Islands	The 3-year project seeks to develop and demonstrate the capability of a Pacific Area Climate Monitoring and Analysis Network (PACMAN) designed to yield a more reliable understanding of the impacts of climate change on fresh water resources in Hawaii and Alaska.	8/28/09	9/1/09	8/31/12	3,000,000.00	79,560.96	603,249.46
73 National Science Foundation	OCE-0943147	VOSS: Understanding Distributed Socio-Technical Systems	The goal is to understand how people interact in virtual organizations and communities, and improve the design technologies for such organizations. Towards this end, we will refine an analytic framework and software tools and apply them to understand the development of relationships and ideas in an online professional community.	9/15/09	11/1/09	10/31/12	382,421.00	1,085.00	120,540.30
74 National Science Foundation	OCE-0927407	Effects of Sea Level on Wave-Driven Inundation for Reef-Fringed Shorelines	Field experiment and numerical modeling study of wave-driven inundation at the Marshall Islands.	9/10/09	9/15/09	8/31/12	1,594,380.00	101,038.19	514,023.63

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75 National Science Foundation	OCE-0959133	MRI-R2: Acquisition of IRMS Instruments for Stable Isotope Analyses of New Geobiological Substrates	We request funds to obtain three stable isotope mass spectrometers. These instruments would make five new Broad Areas of interdisciplinary science possible at UH: 1. Specific biological compounds; 2. Geobiological tissues; 3. Soluble organic matter; 4. En	5/6/10	5/15/10	4/30/13	716,368.00	716,367.05	-
76 National Science Foundation	EPS-1007033	Connecting the Islands: Cyber Connectivity for Science and Technology in Hawaii	This project will provide 10 Gbps (gigabits per second) connectivity for science & technology research and education among UH-Hilo, UH-Manoa, Kapiolani CC and the Maui High Performance Computing Center.	8/18/10	9/1/10	8/31/12	1,176,475.00	-	-
77 National Science Foundation	OIA-0963566	Enabling Hawaii to COMPETE: Seizing the Opportunity for Equitable Connectivity	This project will acquire and implement two 10Gbps circuits from Hawaii to the West Coast to improve connectivity to U.S. national research and education networks for all members of Hawaii's statewide research and education community and their national and international collaborators.	8/18/10	9/1/10	8/31/12	9,838,151.00	-	-
							\$114,996,984.00	\$3,128,482.90	\$10,341,047.71