

|    | State Entity   | Award No.           | CFDA No. | Project Name of Program Title  | Award Amount   | ARRA Funds Received | ARRA Expenditures |
|----|--|---------------------|----------|--|----------------|---------------------|-------------------|
| 1  | ACCOUNTING & GENERAL SERVICES, HAWAII STATE FOUNDATION ON CULTURE AND THE ARTS                 | 09-6188-2076        | 45.025   | Arts and the American Recovery & Reinvestment Act of 2009  | \$ 292,900     | \$ 171,000          | \$ 153,500        |
| 2  | AGRICULTURE  | USDA-FSA-ARRA-AGP-9 | 10.086   | 2008 AQUACULTURE GRANT PROGRAM   | \$ 30,700      | \$ 30,700           | \$ 30,700         |
| 3  | ATTORNEY GENERAL   | 2009-SN-B9-K004     | 16.8     | ICAC Task Force - HI   | \$ 463,917     | \$ 463,917          | \$ 40,069         |
| 4  | ATTORNEY GENERAL   | 2009-SG-B9-0138     | 16.801   | FY 09 Recovery Act - Victims of Crime Act (VOCA) Victim Assistance Formula Grant   | \$ 585,000     | \$ 1,083            | \$ 717            |
| 5  | ATTORNEY GENERAL   | 2009-EF-S6-0021     | 16.588   | OVW Recovery Act STOP Violence Against Women Formula Grant Program 2009-X2081-HI-EF  | \$ 1,047,877   | \$ 13,288           | \$ 13,653         |
| 6  | ATTORNEY GENERAL   | 2009-SU-B9-0044     | 16.803   | State of Hawaii FY-2009 Recovery Act Justice Assistance Grant (JAG) Program  | \$ 6,424,438   | \$ 6,424,438        | \$ 536,316        |
| 7  | BUDGET & FINANCE, PUBLIC UTILITIES COMMISSION  | DEOE0000172         | 81.122   | Recovery Act - State Electricity Regulators Assistance - State of Hawaii   | \$ 782,834     | \$ -                | \$ -              |
| 8  | BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM   | 90SN0030            | 93.711   | ARRA of 2009 Strengthening Communities Fund State, Local and Tribal Government Capacity Building Program   | \$ 250,000     | \$ 4,840            | \$ -              |
| 9  | BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM   | DE-OE0000110        | 81.122   | Enhancing State Government Energy Assurance Capabilities and Planning for Smart Grid Resiliency  | \$ 318,196     | \$ -                | \$ -              |
| 10 | BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM   | DE-EE0001587        | 81.127   | Hawaii State Energy Efficient Appliance Rebate Program   | \$ 1,236,000   | \$ -                | \$ -              |
| 11 | BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM   | DE-EE0000216        | 81.041   | State Energy Program-ARRA  | \$ 25,930,000  | \$ 442,125          | \$ 405,124        |
| 12 | BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM   | DE-EE0000811        | 81.128   | ARRA - State Energy Efficiency Conservation Block Grant  | \$ 9,593,500   | \$ -                | \$ -              |
| 13 | BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, HAWAII HOUSING FINANCE AND DEVELOPMENT CORPORATION | M09-ES150100        | 14.258   | Tax Credit Assistance Program  | \$ 9,861,610   | \$ -                | \$ -              |
| 14 | BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, HAWAII HOUSING FINANCE AND DEVELOPMENT CORPORATION | S09-DY-15-0001      | 14.257   | Homeless Prevention and Rapid Rehousing Program  | \$ 2,166,888   | \$ 169,815          | \$ 169,815        |
| 15 | COMMERCE AND CONSUMER AFFAIRS  | 15-50-M09057        | 11.558   | Hawaii Department of Commerce and Consumer Affairs: State Broadband Data and Development Grant Program   | \$ 1,949,940   | \$ -                | \$ -              |
| 16 | DEFENSE  | W912J6-09-2-9030    | 12.401   | Energy Management and Flooding Remediation   | \$ 1,750,000   | \$ 1,750,000        | \$ 1,750,000      |
| 17 | EDUCATION  | H391A090026         | 84.391   | Grants to States for the Education of Children with Disabilities   | \$ 39,925,269  | \$ 19,962,635       | \$ 19,962,635     |
| 18 | EDUCATION  | H392A090083         | 84.392   | Preschool Grants for Children with Disabilities  | \$ 1,061,069   | \$ -                | \$ -              |
| 19 | EDUCATION  | S388A090012         | 84.388   | Section 1003(a) School Improvement   | \$ 465,642     | \$ -                | \$ -              |
| 20 | EDUCATION  | S387A090012         | 84.387   | Education for Homeless Children and Youth  | \$ 175,966     | \$ 60,216           | \$ 60,216         |
| 21 | EDUCATION  | S389A090011         | 84.389   | Title I, Part A -- Improving Basic Programs Operated by Local Educational Agencies. Initial project provided Extended Learning Opportunities ("ELO") during summer 2009 for economically disadvantaged students. | \$ 33,171,874  | \$ 4,847,294        | \$ 4,847,294      |
| 22 | EDUCATION  | S386A090011         | 84.386   | Title II, Part D -- Enhancing Education Through Technology   | \$ 3,209,375   | \$ 271              | \$ 271            |
| 23 | EDUCATION  | 7HI340HI3           | 10.579   | State of Hawaii Department of Education Office of Hawaii Child Nutrition Programs (OHCNP) NSLP Equipment Assistance Grants   | \$ 348,600     | \$ 348,480          | \$ 276,548        |
| 24 | EXECUTIVE OFFICE   | S394A090012         | 84.394   | State Fiscal Stabilization Fund - Education Fund   | \$ 105,325,166 | \$ 53,051,033       | \$ 53,051,033     |
| 25 | EXECUTIVE OFFICE   | S397A090012         | 84.397   | State Fiscal Stabilization Fund - Government Services Fund   | \$ 34,976,427  | \$ -                | \$ -              |
| 26 | HAWAIIAN HOME LANDS  | 08SHGHI0001         | 14.883   | 1. Kaupuni Village infrastructure 2. East Kapolei II mass grading 3. Construct 18 homes at Kaupuni Village   | \$ 10,200,000  | \$ 2,522,753        | \$ 2,522,753      |
| 27 | HEALTH   | 00T06701            | 66.04    | ARRA State Clean Diesel Grant Program  | \$ 1,730,000   | \$ -                | \$ -              |
| 28 | HEALTH   | WICMIS-ARRA-10-HI   | 10.578   | WIC Miscellaneous Technology Grants under the American Recovery and Reinvestment Act of 2009.  | \$ 250,000     | \$ -                | \$ -              |
| 29 | HEALTH   | 00T28101            | 66.805   | ARRA - Leaking Underground Storage Tank Program  | \$ 1,317,000   | \$ 15,363           | \$ 15,363         |
| 30 | HEALTH   | 90RA0009/01         | 93.725   | ARRA Chronic Disease Self-Management Program   | \$ 200,000     | \$ -                | \$ -              |
| 31 | HEALTH   | 3U58DP001962-01S3   | 93.723   | HAWAII COLLABORATIVE CHRONIC DISEASE, HEALTHY PROMOTION AND SURVEILLANCE PROGRAM: HEALTH   | \$ 484,000     | \$ 484,000          | \$ -              |
| 32 | HEALTH   | 3U58DP001962-01S2   | 93.723   | Hawaii Collaborative Chronic Disease, Healthy Promotion and Surveillance Program; Health   | \$ 428,713     | \$ 428,713          | \$ -              |
| 33 | HEALTH   | 3U50C1923810-05S1   | 93.717   | Epidemiology and Laboratory Capacity for Infectious Diseases - ARRA - HAI  | \$ 429,587     | \$ 6,500            | \$ 6,393          |
| 34 | HEALTH   | 3H23IP922518-07S1   | 93.712   | ARRA - 317 Immunization and Vaccines for Children Grants   | \$ 572,428     | \$ 272,801          | \$ 272,801        |
| 35 | HEALTH   | H393A090091A        | 84.393   | Early Intervention Program for Infants and Toddlers with Disabilities  | \$ 2,398,294   | \$ -                | \$ -              |
| 36 | HEALTH   | 00T05309            | 66.468   | Drinking Water State Revolving Fund  | \$ 19,500,000  | \$ 1,777,368        | \$ 1,777,368      |
| 37 | HEALTH   | 09AAHIC1RR          | 93.707   | ARRA Congregate Nutrition Services   | \$ 325,000     | \$ 126,582          | \$ 126,582        |
| 38 | HEALTH   | 09AAHIC2RR          | 93.705   | ARRA Home-Delivered Nutrition Services   | \$ 160,000     | \$ 63,112           | \$ 63,111         |
| 39 | HEALTH   | 15000209            | 66.458   | Clean Water State Revolving Fund   | \$ 30,352,300  | \$ 9,242,186        | \$ 9,242,186      |
| 40 | HEALTH   | 00T05509            | 66.454   | ARRA - Water Quality Management Planning - Section 604(b)  | \$ 306,600     | \$ 43,310           | \$ 51,500         |
| 41 | HEALTH   | 1U58DP002412-01     | 93.724   | Category A: Communities Putting Prevention to Work.  | \$ 3,435,221   | \$ -                | \$ -              |
| 42 | HUMAN SERVICES   | H399A090011         | 84.399   | Independent Living Services for Older Individuals Who Are Blind, Recovery Act  | \$ 87,883      | \$ 87,883           | \$ 87,883         |
| 43 | HUMAN SERVICES   | H398A090016         | 84.398   | State Independent Living Services, Recovery Act  | \$ 242,913     | \$ 12,797           | \$ 13,821         |
| 44 | HUMAN SERVICES   | H390A090015         | 84.39    | Vocational Rehabilitation Services to States, Recovery Act   | \$ 2,249,150   | \$ -                | \$ 24,435         |

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| 45 | HUMAN SERVICES                                  | 0901HICCD7          | 93.713   | Child Care and Development Fund (CCDF)   | \$ 6,448,715  | \$ 5,947,214        | \$ 5,821,011      |
| 46 | HUMAN SERVICES, HAWAII PUBLIC HOUSING AUTHORITY | HI08S00150109       | 14.885   | Capital and Management Activities at HPHA Federal Public Housing Developments  | \$ 16,245,443 | \$ -                | \$ 601,688        |
| 47 | LABOR AND INDUSTRIAL RELATIONS                  | GJ-19909-10-60-A-15 | 17.275   | Hawaii State Energy Sector Partnership and Job Training Grant  | \$ 6,000,000  | \$ -                | \$ -              |
| 48 | LABOR AND INDUSTRIAL RELATIONS                  | AD-18363-09-60-A-15 | 17.235   | Recovery Act Older Americans   | \$ 507,317    | \$ 256,245          | \$ 256,245        |
| 49 | LABOR AND INDUSTRIAL RELATIONS                  | ES-17556-08-55-A-15 | 17.207   | Programs Funded under Recovery Act Reemployment Services and Wagner-Peyser   | \$ 1,426,246  | \$ 650,000          | \$ 650,000        |
| 50 | LABOR AND INDUSTRIAL RELATIONS                  | AA-17117-08-55-A-15 | 17.259   | Programs Funded Under the Workforce Investment Act   | \$ 6,313,624  | \$ 2,980,838        | \$ 2,980,838      |
| 51 | LABOR AND INDUSTRIAL RELATIONS                  | EE0000183           | 81.042   | Weatherization Assistance Program for Low-Income Persons   | \$ 4,041,461  | \$ 668,937          | \$ 668,937        |
| 52 | LABOR AND INDUSTRIAL RELATIONS                  | 0901HICOS2          | 93.71    | Community Services Block Grant - ARRA  | \$ 5,000,000  | \$ 345,589          | \$ 345,589        |
| 53 | LABOR AND INDUSTRIAL RELATIONS                  | GJ-19811-10-60-A-15 | 17.275   | Hawaii LMI Improvement Initiative  | \$ 1,247,343  | \$ -                | \$ -              |
| 54 | LABOR AND INDUSTRIAL RELATIONS                  | 7H1840HI8           | 10.568   | TEFAP CAP Recovery Act   | \$ 138,611    | \$ 72,627           | \$ 72,627         |
| 55 | LAND AND NATURAL RESOURCES                      | 10-DG-11059702-059  | 10.688   | Wildfire Management - Fuel Hazard Reduction  | \$ 897,000    | \$ 12,417           | \$ 12,417         |
| 56 | LAND AND NATURAL RESOURCES                      | 09-DG-11059702-022  | 10.688   | Monitoring and Control of Invasive Plants in Hawaii  | \$ 4,383,000  | \$ 424,813          | \$ 424,813        |
| 57 | LAND AND NATURAL RESOURCES                      | 10-DG-11059702-082  | 10.688   | Insect and Disease - Early Pest Detection and Koa Vegetative Propagation   | \$ 140,000    | \$ 4,582            | \$ 4,582          |
| 58 | PUBLIC SAFETY                                   | 2009-SF-B9-0130     | 16.802   | Recovery Act - OVC FY09 VOCA Victim Compensation Formula Grant Program   | \$ 115,642    | \$ 87,477           | \$ 86,315         |
| 59 | TRANSPORTATION, AIRPORTS                        | 3-15-0006-046-2009  | 20.106   | Kahului Apron Pavement Structural Improvements   | \$ 15,000,000 | \$ 3,153,095        | \$ 3,153,095      |
| 60 | TRANSPORTATION, AIRPORTS                        | HSTS04-09-H-REC157  | 97.117   | Honolulu EDS Integration Improvements, Phase 2   | \$ 24,573,200 | \$ -                | \$ -              |
| 61 | TRANSPORTATION, AIRPORTS                        | HSTS04-09-H-REC158  | 97.117   | Kahului EDS Integration Improvements   | \$ 7,240,743  | \$ 5,144,825        | \$ 5,144,825      |
| 62 | TRANSPORTATION, HARBORS                         | 2009-PU-R1-0165     | 97.116   | American Recovery and Reinvestment Act Port Security Grant Program (ARRA PSGP)   | \$ 1,432,500  | \$ -                | \$ -              |
| 63 | TRANSPORTATION, HIGHWAYS                        | 700049              | 20.205   | Lydgate Park to Kapaa Bike/Pedestrian Path, ( Phase III of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94)                               | \$ 4,120,000  | \$ -                | \$ -              |
| 64 | TRANSPORTATION, HIGHWAYS                        | 7139001             | 20.205   | Waipio Point Access Road Improvements (RTE 7139)   | \$ 3,585,927  | \$ -                | \$ -              |
| 65 | TRANSPORTATION, HIGHWAYS                        | 300112              | 20.205   | Traffic Improvements at Various Locations, Harding Avenue (RTE 7842) at 5th and 11th Aves  | \$ 2,456,715  | \$ -                | \$ -              |
| 66 | TRANSPORTATION, HIGHWAYS                        | 561050              | 20.205   | Kuhio Highway (RTE 56) Widening (Temp. Short Term Improvements) Kuamoo Road to Temporary Bypass Road   | \$ 21,736,406 | \$ -                | \$ -              |
| 67 | TRANSPORTATION, HIGHWAYS                        | 321009              | 20.205   | Kaahumanu Avenue, Waiale Road Overpass Repairs   | \$ 2,334,948  | \$ -                | \$ -              |
| 68 | TRANSPORTATION, HIGHWAYS                        | 460014              | 20.205   | Maunaloa Highway Resurfacing, Hoolehua to Vicinity of Keonelele Avenue   | \$ 2,688,406  | \$ 2,630,056        | \$ 2,630,056      |
| 69 | TRANSPORTATION, HIGHWAYS                        | 1045                | 20.205   | Traffic Management Center Auxiliary Power Facility   | \$ 291,652    | \$ -                | \$ -              |
| 70 | TRANSPORTATION, HIGHWAYS                        | 951001              | 20.205   | Kalaeloa Blvd (RTE 95), Widening and Reconstruction, Phase 1 - OR&L ROW to Lauwiliwili Street  | \$ 6,773,817  | \$ -                | \$ -              |
| 71 | TRANSPORTATION, HIGHWAYS                        | 31079               | 20.205   | Interstate Route H3, Seismic Retrofit of Mokapu Interchange  | \$ 1,565,283  | \$ -                | \$ -              |
| 72 | TRANSPORTATION, HIGHWAYS                        | 3190001             | 20.205   | Resurfacing Various Roads, Kaniau (RTE 3025) & Ohukai (RTE 3190)   | \$ 651,539    | \$ -                | \$ -              |
| 73 | TRANSPORTATION, HIGHWAYS                        | 192059              | 20.205   | Hawaii Belt Road, Clean and Paint Steel Members, Ninole, Maulua, Kuwaikahi and Kukaiau Bridges   | \$ 4,301,949  | \$ 69,296           | \$ 69,296         |
| 74 | TRANSPORTATION, HIGHWAYS                        | 831042              | 20.205   | Kamehameha Highway, Replacement of South Punaluu Stream Bridge   | \$ 15,298,510 | \$ 1,992,498        | \$ 2,322,074      |
| 75 | TRANSPORTATION, HIGHWAYS                        | 480003              | 20.205   | Puueelua Avenue Resurfacing, Maunaloa Hwy to Farrington Ave and Farrington Avenue Resurfacing, Puueelua Ave to Kalae Hwy                               | \$ 5,403,802  | \$ -                | \$ 2,055,875      |
| 76 | TRANSPORTATION, HIGHWAYS                        | 3405002             | 20.205   | Market Street Improvements (Kahawai Street to Mokuahu Road), Phase 2   | \$ 2,421,990  | \$ -                | \$ 573,441        |
| 77 | TRANSPORTATION, HIGHWAYS                        | 11250               | 20.205   | Interstate Route H-1 Seismic Retrofit, Farrington Highway Separation & Makakilo Drive Separation   | \$ 865,200    | \$ 815,300          | \$ 815,300        |
| 78 | TRANSPORTATION, HIGHWAYS                        | 311011              | 20.205   | Piilani Highway Pavement Preventive Maintenance, Lipoa Street to Kilohana Drive  | \$ 2,979,480  | \$ 937,517          | \$ 1,958,033      |
| 79 | TRANSPORTATION, HIGHWAYS                        | 360010              | 20.205   | Hana Highway Pavement Preventive Maintenance, Kaupakalua Road to Huelo   | \$ 619,301    | \$ 508,951          | \$ 508,951        |
| 80 | TRANSPORTATION, HIGHWAYS                        | 470006              | 20.205   | Kalae Highway Pavement Preventive Maintenance, Maunaloa Highway to Kalaupapa Lookout   | \$ 1,061,781  | \$ 830,502          | \$ 971,469        |
| 81 | TRANSPORTATION, HIGHWAYS                        | 561052              | 20.205   | Kuhio Highway Resurfacing, Kawaihau Road to Kapaa Bridge   | \$ 1,021,416  | \$ 760,960          | \$ 760,960        |
| 82 | TRANSPORTATION, HIGHWAYS                        | 1880001             | 20.205   | Ane Keohokalole Highway and Palani Road (RTE 190) Kamakaeha Ave Intersection Improvements  | \$ 34,818,329 | \$ -                | \$ -              |
| 83 | TRANSPORTATION, HIGHWAYS                        | 583001              | 20.205   | Maalo Road Resurfacing, Mile Post 0.0 to Mile Post 1.0   | \$ 729,083    | \$ 600,717          | \$ 600,717        |
| 84 | TRANSPORTATION, HIGHWAYS                        | 11262               | 20.205   | Interstate Route H-1, Concrete Pavement Preservation, Dowel Retrofit, M.P. 2.40 to M.P. 3.46 and M.P. 24.90 to M.P. 26.40 (Palalail and Kaimuki Areas) | \$ 6,350,000  | \$ -                | \$ -              |
| 85 | TRANSPORTATION, HIGHWAYS                        | 1036                | 20.205   | Traffic Signals at Various Locations, Phase 10   | \$ 3,670,846  | \$ -                | \$ 16,989         |
| 86 | TRANSPORTATION, PLANNING                        | HI-86-X001-00       | 20.509   | Rural Transit Capital Assistance for the expansion of service  | \$ 2,933,345  | \$ -                | \$ -              |
| 87 | UNIVERSITY OF HAWAII SYSTEMS                    | P033A091078         | 84.033   | Federal Work-Study provides need-based financial aid to students.  | \$ 183,583    | \$ 183,583          | \$ 183,583        |

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| 88  | UNIVERSITY OF HAWAII SYSTEMS | 3R21HD058059-02S1   | 93.701   | The primary goal of this application is to use intracytoplasmic sperm (ICSI) and other assisted reproduction techniques (ART) to define the minimum Y gene requirement during spermatogenesis that is compatible with the generation of ART-competent sperm. | \$ 6,664     | \$ 6,584            | \$ 6,584          |
| 89  | UNIVERSITY OF HAWAII SYSTEMS | P033A091068         | 84.033   | Federal Work-Study provides need-based financial aid to students.  | \$ 50,918    | \$ 50,918           | \$ 50,918         |
| 90  | UNIVERSITY OF HAWAII SYSTEMS | 3P20RR016453-08S1   | 93.701   | Translational ARRA Supplement to COBRE: Center for Cardiovascular Research   | \$ 934,610   | \$ 139,979          | \$ 147,546        |
| 91  | UNIVERSITY OF HAWAII SYSTEMS | 902551              | 47.082   | Collaborative Research: P2C2--Toward Improved Projections of the Climate Response to Anthropogenic Forcing: Combining Proxy and Instrumental Observations with an Earth System Model   | \$ 228,676   | \$ 9,854            | \$ 17,643         |
| 92  | UNIVERSITY OF HAWAII SYSTEMS | 956897              | 47.082   | EAGER: Composite Adaptive Mirrors  | \$ 97,412    | \$ 42,260           | \$ 47,507         |
| 93  | UNIVERSITY OF HAWAII SYSTEMS | 850827              | 47.082   | Collaborative Research: Oceanic Diazotroph Community Structure and Activities in a High Carbon Dioxide World   | \$ 437,859   | \$ 63,227           | \$ 69,053         |
| 94  | UNIVERSITY OF HAWAII SYSTEMS | 3 R01 NR007883-05S2 | 93.701   | Cognitive Behavioral Intervention in Diabetes Self-Management  | \$ 207,781   | \$ 55,402           | \$ 57,628         |
| 95  | UNIVERSITY OF HAWAII SYSTEMS | 918185              | 47.082   | An Exploratory Application of Agent Based Modeling for Policy Evaluations in Hawaii's Longline Fishery   | \$ 287,437   | \$ 12,460           | \$ 13,673         |
| 96  | UNIVERSITY OF HAWAII SYSTEMS | 845116              | 47.082   | Learning and Cognition in Honeybees  | \$ 210,000   | \$ 21,033           | \$ 22,928         |
| 97  | UNIVERSITY OF HAWAII SYSTEMS | 914317              | 47.082   | Ocean FEST: Families Exploring Science Together (OEDG Track 1)   | \$ 197,278   | \$ 21,493           | \$ 23,191         |
| 98  | UNIVERSITY OF HAWAII SYSTEMS | 928741              | 47.082   | Collaborative Research: GEOTRACES N Atlantic Section, Shipboard and Shorebased Determination of Key Trace Elements   | \$ 200,286   | \$ -                | \$ 3,349          |
| 99  | UNIVERSITY OF HAWAII SYSTEMS | 3R01CA115614-03S1   | 93.701   | Administrative Supplements for: Physical Activity in Women with Infants  | \$ 232,529   | \$ 29,847           | \$ 32,894         |
| 100 | UNIVERSITY OF HAWAII SYSTEMS | 919607              | 47.082   | Collaborative Research: PACMAN -- Cyberinfrastructure for Discovering Climate Change Impacts on Water Resources Across Alaska and the Hawaiian Islands   | \$ 3,000,000 | \$ 130,455          | \$ 157,337        |
| 101 | UNIVERSITY OF HAWAII SYSTEMS | G10AC00035          | 15.818   | VOG Measurement and Prediction (VMAP) Project  | \$ 331,000   | \$ 16,173           | \$ 20,103         |
| 102 | UNIVERSITY OF HAWAII SYSTEMS | 911301              | 47.082   | The Mantle Melt Column and Melt Migration Revealed by Deglaciation Melting Beneath Iceland's Western Rift Zone   | \$ 295,743   | \$ 93,428           | \$ 93,999         |
| 103 | UNIVERSITY OF HAWAII SYSTEMS | 852620              | 47.082   | A Study of Multiple Environmental Influences on the Lightning of a Continental Cumulonimbus Cloud Simulated by a Numerical Model   | \$ 267,177   | \$ 23,165           | \$ 23,165         |
| 104 | UNIVERSITY OF HAWAII SYSTEMS | 3P30CA071789-12S7   | 93.701   | Cancer Research Center of Hawaii   | \$ 1,299,007 | \$ 41,289           | \$ 41,289         |
| 105 | UNIVERSITY OF HAWAII SYSTEMS | 946381              | 47.082   | EAGER Collaborative Research: The Basalt-Hosted Biosphere Observatory at North Pond, Advanced Instrumentation for Transformative Science   | \$ 147,686   | \$ -                | \$ -              |
| 106 | UNIVERSITY OF HAWAII SYSTEMS | 836053              | 47.082   | Akamai Workforce Initiative  | \$ 2,847,171 | \$ 94,965           | \$ 112,715        |
| 107 | UNIVERSITY OF HAWAII SYSTEMS | NT02871             | 81.122   | Research on Distributed Electricity Systems Resources, Amdt 001  | \$ 5,548,585 | \$ -                | \$ -              |
| 108 | UNIVERSITY OF HAWAII SYSTEMS | 841794              | 47.082   | Computational Upgrade for the SOEST Geophysics and Tectonics Group   | \$ 70,000    | \$ 69,805           | \$ 69,805         |
| 109 | UNIVERSITY OF HAWAII SYSTEMS | 918341              | 47.082   | Ecological Diversity, Systematics, and Conservation of Hawaii's Endemic Hyposmocoma  | \$ 421,886   | \$ 68,193           | \$ 71,164         |
| 110 | UNIVERSITY OF HAWAII SYSTEMS | 927089              | 47.082   | Understanding Paleo-Climate Tools: Effects of Carbonic Anhydrase and Mg on Oxygen Isotopes in Dissolved and Solid Carbonate  | \$ 248,760   | \$ 28,689           | \$ 32,467         |
| 111 | UNIVERSITY OF HAWAII SYSTEMS | 914516              | 47.082   | OEDG Track 1 Proposal: Laulima A 'Ike Pono - Community Collaborations in Geosciences and Place-based Education   | \$ 197,854   | \$ 9,261            | \$ 9,411          |
| 112 | UNIVERSITY OF HAWAII SYSTEMS | 924324              | 47.082   | Internal! Collaboration in Chemistry: NHC-Pd Catalytic Systems (NHC = N-Heterocyclic Carbene) for the Synthesis of Novel Triarylamine Polymers Containing Fused Heterocyclic Rings   | \$ 346,167   | \$ 51,853           | \$ 52,697         |
| 113 | UNIVERSITY OF HAWAII SYSTEMS | 923560              | 47.082   | 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   | \$ 1,583,885 | \$ 122,465          | \$ 126,345        |
| 114 | UNIVERSITY OF HAWAII SYSTEMS | 3R25RR019321-05S1   | 93.701   | Master in Clinical Research  | \$ 296,612   | \$ 105,749          | \$ 115,168        |
| 115 | UNIVERSITY OF HAWAII SYSTEMS | 926632              | 47.082   | BRIGE: Minority Education and Research in Biomedical Microdevices - An Optically Controlled Cell Culturing and Harvesting Platform   | \$ 174,635   | \$ 22,460           | \$ 25,046         |
| 116 | UNIVERSITY OF HAWAII SYSTEMS | 1F31AI081450-01A1   | 93.701   | HIV DNA in CNS Compartments in Relation to HIV-Associated Neurocognitive Disorders   | \$ 41,176    | \$ 26,160           | \$ 26,160         |
| 117 | UNIVERSITY OF HAWAII SYSTEMS | 3R37CA054281-17S1   | 93.701   | Multiethnic Cohort Study of Diet and Cancer  | \$ 287,319   | \$ 13,951           | \$ 17,091         |
| 118 | UNIVERSITY OF HAWAII SYSTEMS | 943147              | 47.082   | VOSS: Understanding Distributed Socio-Technical Systems  | \$ 382,421   | \$ 11,992           | \$ 13,629         |
| 119 | UNIVERSITY OF HAWAII SYSTEMS | 925916              | 47.082   | Collaborative Research: Lateral Mixing and Dispersion on the Inner Shelf   | \$ 378,008   | \$ 67,746           | \$ 67,746         |
| 120 | UNIVERSITY OF HAWAII SYSTEMS | 3P30CA071789-12S6   | 93.701   | Cancer Research Center of Hawaii   | \$ 1,313,830 | \$ 41,190           | \$ 51,611         |
| 121 | UNIVERSITY OF HAWAII SYSTEMS | 3R01HL080532-03S2   | 93.701   | Transcriptional and Physiological Analysis of Cardiac HIF-1  | \$ 66,005    | \$ 26,837           | \$ 28,956         |
| 122 | UNIVERSITY OF HAWAII SYSTEMS | 838714              | 47.082   | Collaborative Research: Southern Ocean Current Observations from the U.S. Antarctic Research Vessels, 2010-14  | \$ 324,060   | \$ -                | \$ -              |

|     | State Entity   | Award No.         | CFDA No. | Project Name of Program Title  | Award Amount | ARRA Funds Received | ARRA Expenditures |
|-----|--|-------------------|----------|--|--------------|---------------------|-------------------|
| 123 | UNIVERSITY OF HAWAII SYSTEMS   | 3P20RR024206-02S1 | 93.701   | IBR COBRE Supplement   | \$ 154,231   | \$ 38,182           | \$ 38,182         |
| 124 | UNIVERSITY OF HAWAII SYSTEMS   | 926751            | 47.082   | Collaborative Research: A Pilot Study of the Spatiotemporal Scales of Diversification in the Pandora Moth/Ponderosa Pine System Using Dendrochronology and Evolutionary Biogeography | \$ 133,363   | \$ 9,557            | \$ 9,557          |
| 125 | UNIVERSITY OF HAWAII SYSTEMS   | 927407            | 47.082   | Effects of Sea Level on Wave-Driven Inundation for Reef-Fringed Shorelines   | \$ 1,584,380 | \$ 76,714           | \$ 85,279         |
| 126 | UNIVERSITY OF HAWAII SYSTEMS   | 852082            | 47.082   | REU Site: University of Hawai'i (UH) High Performance Computing (HPC) Computational Fluid Dynamics (CFD) Applications in Engineering   | \$ 295,222   | \$ 7,869            | \$ 9,925          |
| 127 | UNIVERSITY OF HAWAII SYSTEMS   | G10AC00030        | 15.818   | Understanding of Basaltic Eruption Dynamics and Mechanisms: Effusive and Explosive Eruptions in Hawaii   | \$ 90,000    | \$ 4,512            | \$ 7,931          |
| 128 | UNIVERSITY OF HAWAII SYSTEMS   | 3R01CA111419-04S2 | 93.701   | Role of Polyamines in MYCN-Amplified Neuroblastoma   | \$ 111,994   | \$ 71,920           | \$ 80,513         |
| 129 | UNIVERSITY OF HAWAII SYSTEMS   | 919584            | 47.082   | Collaborative Research: Development of a Fracture Processes Facility at DUSEL Homestake  | \$ 37,073    | \$ 1,245            | \$ 1,245          |
| 130 | UNIVERSITY OF HAWAII SYSTEMS   | 839024            | 47.082   | Collaborative Research: Modified Circumpolar Deep Water Intrusions as an Iron Source to the Summer Ross Sea Ecosystem  | \$ 377,634   | \$ -                | \$ 3,466          |
| 131 | UNIVERSITY OF HAWAII SYSTEMS   | 1R21CA139712-01A1 | 93.701   | Neuroimaging to Assess the Effects of Therapy in Children with Acute Lymphoblastic Leukemia  | \$ 304,481   | \$ 88,781           | \$ 92,994         |
| 132 | UNIVERSITY OF HAWAII SYSTEMS   | 855546            | 47.082   | CSEDI Collaborative Research: Influence of Grain-Size Evolution on Global and Regional Mantle Flow and Upper Mantle Seismic Structure  | \$ 198,950   | \$ 6,702            | \$ 8,022          |
| 133 | UNIVERSITY OF HAWAII SYSTEMS   | 923136            | 47.082   | MRI Acquisition: Hawaii-based Undergraduate Leadership in Astronomy [HULA] by Acquiring Instrumentation for an Educational Im-Class Telescope  | \$ 141,664   | \$ 6,778            | \$ 6,778          |
| 134 | UNIVERSITY OF HAWAII SYSTEMS   | 933884            | 47.082   | Effect of Melt Supply on MORB Compositions at Local and Regional Scales  | \$ 356,191   | \$ 7,164            | \$ 8,339          |
| 135 | UNIVERSITY OF HAWAII SYSTEMS   | 3R01DK079684-03S1 | 93.701   | Administrative Supplement for: Multimedia Intervention to Motivate Ethnic Minority Teens to be Designated Donor  | \$ 128,111   | \$ 11,405           | \$ 13,920         |
| 136 | UNIVERSITY OF HAWAII SYSTEMS   | 1R21AI074834-01A2 | 93.701   | Altered Peptide Ligands and Immunopathogenesis of Dengue Virus Infection   | \$ 207,225   | \$ 61,092           | \$ 66,621         |
| 137 | UNIVERSITY OF HAWAII SYSTEMS   | 849747            | 47.082   | Dynamics of the Descending Branch of the Atlantic Meridional Overturning Circulation   | \$ 443,595   | \$ 58,504           | \$ 70,372         |
| 138 | UNIVERSITY OF HAWAII SYSTEMS   | 919878            | 47.082   | Concentration Gradients of Activator and Inhibitors of Cellular Differentiation in a Filamentous Cyanobacterium  | \$ 233,789   | \$ 25,004           | \$ 26,104         |
| 139 | UNIVERSITY OF HAWAII SYSTEMS   | 3R25DK078386-03S1 | 93.701   | High School Students STEP-UP to Biomedical Research  | \$ 154,872   | \$ 64,906           | \$ 64,834         |
| 140 | UNIVERSITY OF HAWAII SYSTEMS   | 3G12RR003061-24S1 | 93.701   | Research Outcomes Accelerating Discoveries for Medical Applications and Practice   | \$ 880,333   | \$ 111,881          | \$ 121,440        |
| 141 | UNIVERSITY OF HAWAII SYSTEMS   | 902869            | 47.082   | Collaborative Research: Reconstructing Deep Sea Acidification During the Paleocene-Eocene Thermal Maximum  | \$ 164,710   | \$ 13,367           | \$ 14,025         |
| 142 | UNIVERSITY OF HAWAII SYSTEMS   | 3P20RR016453-07S1 | 93.701   | COBRE: Center for Cardiovascular Research  | \$ 95,170    | \$ 2,085            | \$ 2,085          |
| 143 | UNIVERSITY OF HAWAII SYSTEMS   | 3R01GM076665-04S2 | 93.701   | Dynamin: Ligand Interactions and Conformational Dynamics (Competitive Revision)  | \$ 98,000    | \$ -                | \$ -              |
| 144 | UNIVERSITY OF HAWAII SYSTEMS   | 3R01CA126895-02S1 | 93.701   | Whole Genome Scan for Modifier Genes in Colorectal Cancer  | \$ 1,802,665 | \$ 5,591            | \$ 8,776          |
| 145 | UNIVERSITY OF HAWAII SYSTEMS   | 2P01CA033619-21A1 | 93.701   | Molecular Epidemiology of Nutrition and Cancer in the Multiethnic Cohort Study   | \$ 2,120,588 | \$ 211,880          | \$ 261,129        |
| 146 | UNIVERSITY OF HAWAII SYSTEMS   | 3U01HG004802-02S1 | 93.701   | Epidemiology of Putative Causal Variants in the Multiethnic Cohort   | \$ 1,018,523 | \$ -                | \$ -              |
| 147 | UNIVERSITY OF HAWAII SYSTEMS   | 3R24MD001660-05S1 | 93.701   | Pili 'Ohana Program: Partnerships to Overcome Obesity Disparities in Hawaii  | \$ 600,000   | \$ 19,417           | \$ 21,189         |
| 148 | UNIVERSITY OF HAWAII SYSTEMS   | 943977            | 47.082   | 2009 Shipboard Scientific Support Equipment  | \$ 861,092   | \$ 524,389          | \$ 530,134        |
| 149 | UNIVERSITY OF HAWAII SYSTEMS   | 2009-SN-B9-0003   | 16.8     | Multimedia Juvenile Victimization (MJV): Insights into Youth Behavior to Help Law Enforcement  | \$ 435,689   | \$ 28,670           | \$ 49,084         |
| 150 | UNIVERSITY OF HAWAII SYSTEMS   | 926766            | 47.082   | The Hawaii Ocean Time-series (HOT): Sustaining Ocean Ecosystem and Climate Observations in the North Pacific Subtropical Gyre  | \$ 6,201,878 | \$ 276,688          | \$ 322,363        |
| 151 | UNIVERSITY OF HAWAII SYSTEMS   | 3K24MH074468-04S1 | 93.701   | Mentoring/Carrer Development in PTSD Services Research (ARRA)  | \$ 49,950    | \$ 6,172            | \$ 11,873         |
| 152 | UNIVERSITY OF HAWAII SYSTEMS   | 3R25RR024281-02S1 | 93.701   | Pacific Education and Research for Leadership in Science (PEARLS) - Administrative Supplement for Science Education  | \$ 188,708   | \$ 2,298            | \$ 2,496          |
| 153 | UNIVERSITY OF HAWAII SYSTEMS   | HHSN261201000017I | Contract | Contract   | \$ 146,529   | \$ -                | NULL              |
| 154 | UNIVERSITY OF HAWAII, HAWAII COMMISSION FOR NATIONAL AND COMMUNITY SERVICE | 09RFHHI001        | 94.006   | Recovery Hawaii Formula  | \$ 137,981   | \$ 134,258          | \$ 134,258        |
| 155 | UNIVERSITY OF HAWAII, HAWAII COMMISSION FOR NATIONAL AND COMMUNITY SERVICE | 09RCHHI001        | 94.006   | Recovery Hawaii Competitive  | \$ 1,150,293 | \$ 404,106          | \$ 404,106        |